Confidentiality Requested: Yes No

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

1158857

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 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 #		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:
		Total Vertical Depth: Plug Back Total Depth:
OG GSW GSW CM (Coal Bed Methane)	Temp. Abd.	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 To		
Deepening Re-perf. Conv. to EN	<u> </u>	Drilling Fluid Menonement Dien
	W Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
		Location of fluid disposal if hauled offsite:
		Location of huld disposal in hadred offsite.
		Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	QuarterSecTwpS. 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	1158857
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	

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 Sheets)		Yes No		og Formatio	on (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-		ew Used 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 / SQ	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No (If No, ski	o questions 2 an	(d 3)
Does the volume of the total	0		ceed 350,000 gallons			o questions 2 an	

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F		No	
Date of First, Resumed	I Product	ion, SWD or ENHI	٦.	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bt	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
			T							
DISPOSIT	ION OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sole	d 🗌	Used on Lease		Open Hole	Perf.	Dually (Submit)	Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)						

Yes

No

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

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

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Gaschler-Krause Unit 1-20
Doc ID	1158857

All Electric Logs Run

MAI/MFE
MML
MSS
MPD/MDN

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Gaschler-Krause Unit 1-20
Doc ID	1158857

Tops

Name	Тор	Datum
Heebner	2381	759
Lansing	4018	-878
Stark Shale	4319	-1179
Hushpuckney	4374	-1234
Base KC	4448	-1308
Marmaton	4476	-1336
Pawnee	4564	-1424
Ft. Scott	4589	-1449
Johnson	4690	-1550
Morrow	4774	-1634
Basal Penn	4813	-1673
Mississippian	4830	-1690
St. Louis	4886	-1746

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



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

November 05, 2013

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

Re: ACO1 API 15-171-20982-00-00 Gaschler-Krause Unit 1-20 NE/4 Sec.20-18S-34W Scott 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



PO Box 93999 Southlake, TX 76092

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

Bill To:

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

Invoice Number: 138711 Invoice Date: Sep 17, 2013 Page: 1

Now Includes:



Customer ID	Field Ticket #	Payment	Terms
Lario	61130	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 17, 2013	10/17/13

Quantity	Item	Des	cription			Unit Price	Amount
o su francisko ostrone na state kan 🥌 Arrana		Gaschler Krause Unit #1-20	duilling	AFE	13-29	72	
245.00	CEMENT MATERIALS	Class A Common	1. Con			11.00	4,385.50
9.00	CEMENT MATERIALS	Chloride	9-30-20	13	LK	64.00	576.00
257.70	CEMENT SERVICE	Cubic Feet				2.48	639.10
595.00	CEMENT SERVICE	Ton Mileage				2.60	1,547.00
1.00	CEMENT SERVICE	Surface				1,512.25	1,512.25
50.00	CEMENT SERVICE	Pump Truck Mileage				7.70	385.00
50,00	CEMENT SERVICE	Light Vehicle Mileage				4.40	220.00
1.00	EQUIPMENT OPERATOR	Paul Beaver					
1.00	EQUIPMENT OPERATOR	Tyler Flipse		0			
	EQUIPMENT OPERATOR			()			
		, see a s	OCT 1 OT				
		Subtotal					9,264.85
	ES ARE NET, PAYABLE FOLLOWING DATE OF	Sales Tax					404.36
INVOICI	E. 1 1/2% CHARGED	Total Invoice Amount					9,669.21
	TER. IF ACCOUNT IS	Payment/Credit Applied					
CURREN	T, TAKE DISCOUNT OF	TOTAL	eren eren er en eren fin			303 335555	9,669.21
\$	2.779.45						an an the Constant of Sec.

\$			2	,779.	45
ONLY	IF PA	ID O	N O	R BE	FORE

Oct 12, 2013

ALLIED OIL & GAS SERVICES, LLC 061130. Federal Tax 1.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092	SERVICE POINT
DATE 9/17/13 SEC O TWP B RANGE	CALLED OUT ON LOCATION JOB START JOB FINISH
LEASE PRIVACULT WELLA 1-20 LOCATIC	SCONGY II COUNTY STATE
CONTRACTOR South wind TYPE OF JOB Suchast	OWNER Same
HOLE SIZE 1711.4 T.D. 35 CASING SIZE 85/8 DEPTH 35	
DRILL PIPE DEPTH TOOL DEPTH	
PRES. MAX MINIMUM MEAS. LINE SHOE JOINT CEMENT LEFT IN C\$G. I < '	соммол <u>745 ses</u> @ <u>17.90</u> <u>4385.50</u> родміх@
PERFS. DISPLACEMENT 71.34	CHLORIDE 9565 @ 64.00 576.00
PUMPTRUCK CEMENTER PUNT	
# 427 HELPER Tyler Flip BULK TRUCK	
# 344/176 DRIVER Dan (42) BULK TRUCK # DRIVER	$= \frac{e}{HANDLING 257.7.443} e^{2} \frac{1}{7.46} \frac{1}{4.37.46}$
REMARKS:	MILEAGE 595 107/14, 2.40 1547.00 TOTAL 7147.60
-mix 245 5ks Cign 7% (C -Displace with wat	SERVICE
cement did circ.	PLATE DEPTH OF JOB 3501. PUMP TRUCK CHARGE 1512.25
	MANIFOLD Used viss @
CHARGETO: Lario Oil+ Gas	MILV50 @ 4.40 _220.00
STREET	TOTAL 2117.25
CITYZIF	PLUG & FLOAT EQUIPMENT
	@@
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing eq and furnish cementer and helper(s) to assist ow	uipment@
contractor to do work as is listed. The above we done to satisfaction and supervision of owner a contractor. I have read and understand the "GE	gent or TOTAL
TERMS AND CONDITIONS" listed on the rev	
PRINTED NAME <u>SAM STANGS</u>	DISCOUNT <u>2779.</u> IF PAID IN 30 DAYS Bid. 6, 485.39 Ned
SIGNATURE San Strenge	

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PO Box 93999 Southlake, TX 76092

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

Bill To: Lario Oil & Gas Co. Lario Oil & Gas Co. P.O. Box 1093 Garden City, KS 67846 INVOICE

Invoice Number: 139001 Invoice Date: Oct 1, 2013 Page: 1

Now Includes:



Customer ID	Field Ticket #	Payment	Terms
Lario	61142	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 1, 2013	10/31/13

Quantity	Item	Des	cription			Unit Price	Amount
14294-01-04294-047-01-0429-0429-0-0-		Gaschler Krause Unit #1-20					
180.00	CEMENT MATERIALS	ASC	drilling	AFE	13-29	20.90	3,762.00
900.00	CEMENT MATERIALS	Gilsonite	drilling 10-14-1-	•		6 0.98	882.00
51.00	CEMENT MATERIALS	FL-160	10-14-17	3	-K	18.90	963.90
25.00	CEMENT MATERIALS	Defoamer				9.80	245.00
450.00	CEMENT MATERIALS	AMD				25.90	11,655.00
112.50	CEMENT MATERIALS	Flo Seal				2.97	334.13
12.00	CEMENT MATERIALS	Super Flush				58.70	704.40
657.85	CEMENT SERVICE	Cubic Feet				2.48	1,631.47
1,507.50	CEMENT SERVICE	Ton Mileage				2.60	3,919.50
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
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 AFU Float Shoe				339.30	339.30
1.00	EQUIPMENT SALES	5-1/2 Latch Down Plug Assemb	iy			398.75	398.75
1.00	EQUIPMENT SALES	5-1/2 D V Tool				4,087.00	4,087.00
1.00	EQUIPMENT SALES	5-1/2 Basket				159.40	159.40
14.00	EQUIPMENT SALES	5-1/2 Centralizer				28.40	397.60
1.00	EQUIPMENT OPERATOR	Paul Beaver					
		Subtotal					Continued
	S ARE NET, PAYABLE	Sales Tax		*****			Continued
	E 1 1/2% CHARGED	Total Invoice Amount					Continued
	TER. IF ACCOUNT IS	Payment/Credit Applied					
CURREN	r, TAKE DISCOUNT OF	TOTAL					Continued
\$	12,436.00	TUTAL					
	PAID ON OR BEFORE						
	Oct 26, 2013						



PO Box 93999 Southlake, TX 76092

Bill To:

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

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

Invoice Number: 139001 Invoice Date: Oct 1, 2013 Page: 2

Now Includes:



Customer ID	Field Ticket #	Payment	Terms	
Lario	61142	Net 30 Days		
Job Location	Camp Location	Service Date	Due Date	
KS1-02	Oakley	Oct 1, 2013	10/31/13	

Quantity	Item	Description	Unit Price	Amount
	EQUIPMENT OPERATOR	Tyler Flipse		
1.00	OPERATOR ASSISTANT	Brandon Wilkinson		
1.00	OPERATOR ASSISTANT	David Scariano		
		i na stani na seconda de la companya de la company Nota de		
		and the second sec	100 DES	
		<u>221</u> OCT 1 6		
		JU/	V	•
		· · · · · · · · · · · · · · · · · · ·		
	ES ARE NET, PAYABLE	Subtotal		35,531.45
30 DAYS I	FOLLOWING DATE OF	Sales Tax		1,950.17
	E. 1 1/2% CHARGED	Total Invoice Amount		37,481.62
CURRENT	TER. IF ACCOUNT IS	Payment/Credit Applied		
		TOTAL		37,481.62
\$	12,436.00			
ONLY IF I	PAID ON OR BEFORE			

REMIT TO P.O. BOX 93999	SERVICE POINT: US KS
SOUTHLAKE, TEXAS 76092	Oalley F>
DATE W/1 13 20 10 34	ALLED OUT ON LOCATION JOB START JOB FINISH
LEASE KNOW WIT WELL # 1-20 LOCATION SLOT	city 96 W 1/2 mi South TES
	1 S+Winto
CONTRACTOR Southwind TYPE OF JOB Production (2 stage)	OWNER Same
HOLESIZE 77/B TD	CEMENT 180 sks ASC 1991 - 11
CASING SIZE 5 1/2 DEPTH 49981 TUBING SIZE DEPTH	AMOUNT ORDERED 180 SKS ASK 10% salt
DRILL PIPE DEPTH	5 Gilsonite 2% Gel 7/0 FL-160,14 Defeame 450sks AMD 44 Flo- seel
TOOL DV 7001 DEPTH 2421'	COM//ON 8
PRES. MAX MINIMUM MEAS. LINE SHOE JOINT 11.05	COMMON@ POZMIX @
CEMENT LEFT IN CSG. 11,05	CEL @
PERFS.	CHLORIDE @@
DISPLACEMENT Bottom LODD weber Wild Bbbl mod Top- 59.07 551 wet EQUIPMENT	ASC 180 sts @ 20.90 3762.00 Gilsonite 900# @ ,98 A82.00
LOD 2 WILL EQUIPMENT	FL-160 51# @ 18.90 963,90
PUMPTRUCK CEMENTER FRUIT BEGNER	PDEF(delaamer) 25# @ 9.80 245.00
# 120 HELPER Filer Flipse	AMD 450 @25.90 11 655.00 Flo-sed 112.5# @2.97 334.12
BULK TRUCK	Sume flue 17th @ 58.70 704.40
# 526 DRIVER Standon W. 2.11CMSDA BULKTRUCK	e
#386 DRIVER David Scarlano	HANDLING 657.85 @ 2.48 1631.4
•	MILEAGE 30.15 Juny 50m 4.2.60 3919.50
REMARKS: Resting 12,141 super flush, m. 1 Bosts AKC Displace when water / inved, Plus did land Plat did held. Open tool enculate 120	DEPTH OF IOB 4998
All Displace up the water, Plus did	PUMPTRUCK CHARGE 2765.75 2406,25
land "lement did circulate 10055	EXTRA FOOTAGE @@ MILEAGE MIHV 50 @ 7.70 385.00
Thenk King	MANIFOLD Heed @ 275.00
that the form	MILV 50@ 4.40 220.00
CHARGE TO: Lario Dil+ Gas	@
STREET	TOTAL 6052.00
CITYSTATEZIP	
	PLUG & FLOAT EQUIPMENT Weather ford
	AFUFloct shor @ 339.30
	Latch down plug Assently @ 398.25 D.V. Loci @ 4087.00
To: Allied Oil & Gas Services, LLC.	Basket . @ 159.40
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	(emptalizers 14 @ 28.40 397.60
contractor to do work as is listed. The above work was	(BI) TOTAL <u>5382.0</u> .
done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL	IDIAL
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
	TOTAL CHARGES 37,53.45
	DISCOUNT 12.436.00 IF PAID IN 30 DAYS
PRINTED NAME MIKE KETTERY, L	
SIGNATURE WILL COLL	DISCOUNT 12.436.00 IF PAID IN 30 DAYS 23.095.44 Net.

61142

75

5000 5.5

5.012 . 14

STC 1.55

Job Excess

t.D. Casing Weight

.



÷.,

Terry Heinrich

P.O. Box 27

Date

Manager

Address

Service Point: Oakiey



Company	Larlo Oil & Gas Company	Prepared For:	Jay Schweikert	[14] ~ 너 맛있	Well	Data 🚟
Address	301 5. Market 17	Title:		Open Hole	7 7/8 32	Depth
Address	Wichita Kansas, 67202	Business Phone:	316-265-5611			1.D.
Wali Name	Gaichler-Vrause Unit	E-mall:	incheritzi) (214) ool com			Job Excess
Lease	#1-20 MT 1 1	Mobile Phone:		Casing Sire	, 5 t/2 ∻	Depth
Fleid	100 States 1	Prepared By:	Neal Rupp		•	0.D.
County	Scott	Title:	Sales & Fleid Operations Manag]		t.D.
State	Kansar	Business Phone:	316-260-3368]		Cosing We
Section	20	E-mail:	nest euro Babledservices com]	-	Thread
Township	185	Mobile Phone:	316-250-7057]		Grade
Range	34W 75.5	Rig Contractor	Uninown			
APINumber		Rig Name				`:
Proposal Title:	Two-Stage Production	RUg Phone				
	1				-	•

(· · · · · · · · · · · · · · · · · · ·	1		Cost per	Ι		L	Unit	
1	Unlis	VoM	Unit		Total		Net	flet
CISD - Casing Pump Charge 4001' to 5000'	1.00	(for 6 hours)	\$7,765.75	\$	2,765.75	\$	1,797.74	\$1,797.74
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1.00 ;	Hor 6 hours	\$2,406.25	\$	2,406.25	\$	1,554.06	\$1,564.06
	0.00	0.00	\$0.00	5	-	\$	+	\$0.00
	0.00	i≪[0.00])答	\$0.00	\$	-	\$		\$0.00
	0.00		\$0,00	5	÷	5	•	\$0,00
Subtotal				\$	5,172.00			\$3,361.80
AFU Float Shoe	1.00	Each 😽	5339.90	5	339.30	\$	339,50	\$339.30
Latch Down Plug	1.00	Each	6398.75	\$	398.75	\$	398.75	\$398.75
Stage Collar	1.00	Each	\$4,087.00	\$	4,087.00	S	4,087,00	\$4,087.00
Cement Balket	1.00	Each	\$159.40	\$~	159.40	\$	159.40	\$159.40
Centralitier 1 12/2015	. 14.00	Each 5	\$28,40	\$	397.60	\$	28.40	\$397.60
	0.00	Each	\$0.00	\$	÷	5	•	\$0.00
Subtotal			•	\$	5,382.05			\$5,382.05
ASCA - ALLIED SPECIAL BLEND CMT. CLASS A	~18S.00	·· per sack	\$20.90	\$.	3,866.50	\$	13.59	\$2,513,23
ANDA + ALUED MULTI-DENS, CMTCLASS A	- 290.00	per sack	\$25.90	\$	7,511.00	\$	16.84	\$4,882:15
FLSL Flo Seal	72.00	per pound	\$2.97	\$	213.84	5	1,93	\$139.00
GILS-Gilsonite	925.00	"per pound	\$0.98	\$	906.50	\$.	0.64	\$589.23
FE-160-FE-160 Fluid Loss Additive HI-Temp	52.00	per pound	\$18.90	\$	982.80	\$	12.29	\$638,82
PDEF - Powdered Defoamer	25.00	bruog 13g	\$9.80	\$.	254.60	\$	6.37	\$165:52
SPFL - Super Flush	12.00	-per bbi 🕁		\$	704.40	\$	38.16	\$457.86
	0.00	0.00 💳	\$0,00	\$	•	\$	-	\$0.00
Subtotal			· ·	\$	14,439.84			\$9,385.90
HDLG - Products handling service charge	.575.98	per cu. Ft.A	\$2.48	\$	1,428.43	\$	1.61	. \$92B.48
DRYG - Drayage for products	1275.00	Ion mile.	\$2.60	Ś	3,315.00	\$	1.69	52,154.75
MILV - Ught Vehicle Mileage	50.00	per mile 4	\$4.40	\$	220.00	\$.,	2.86	\$143.00
MIRV - Heavy Vehicle Mileage	\$0.00	per mile	\$7.70	\$	385.00	\$	5.01	\$250.25
Subtotal				Ş	5,348.43			\$3,476.48
CIMHD - Cementing Head Rental with Manifold ->>	-1.00	- per day	\$275.00	\$	275.00	\$	178.75	\$178.75
金属なななない。このこのから、よいにないして、	0.00		\$0.00	\$	•	Ş .	<u> </u>	\$0.00
Sublatai				\$	275.00			\$178.75
Totals:				\$	30,617.32			\$21,784.98
DISCOUNT: Operations	· .		35.0%		(1,810.20)			
DISCOUNT: Equipment Sales			0.0%		0.00			
DISCOUNT: Products			35.0%		(5,053.94)			
DISCOUNT: Transport			35.0%		{1,871,95}			<i>t</i> .,,
DISCOUNT: OTHER			35.0%		(95.25)			tie A
			Total		(8,832,34)			· 64-54

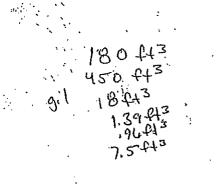
1

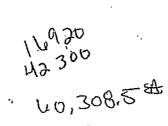
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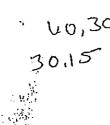
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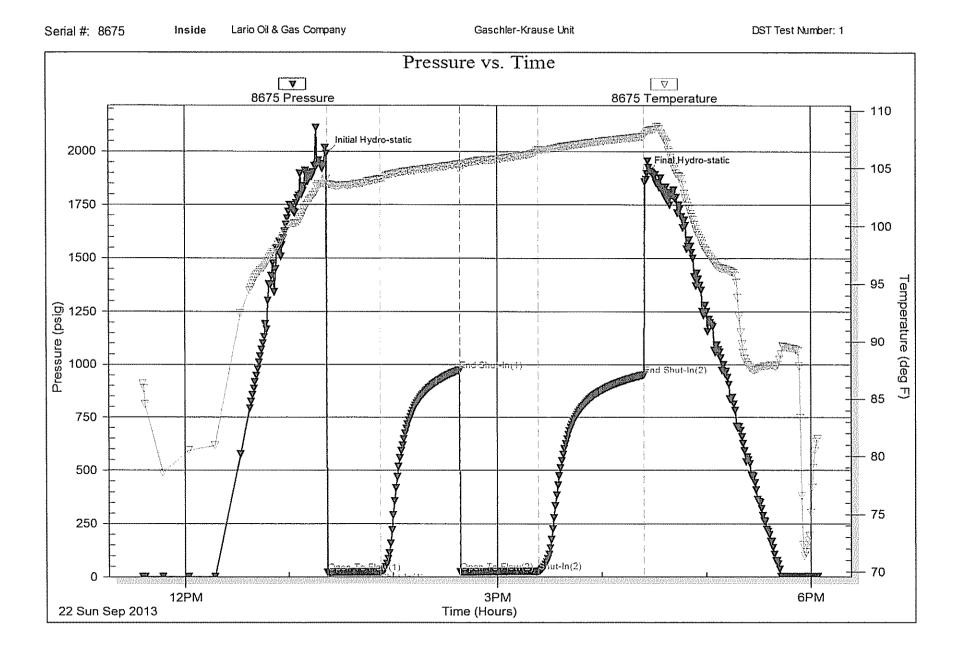


BID SHEET

	DRILL STEM TES	TREP	ORT	
RILOBITE	Lario Oil & Gas Company		20-18s-34w S	cott Co. KS
ESTING , INC			Gaschler-Kra	use Unit
	Wichita KS, 67202-3805		Job Ticket: 5297	0 DST#: 1
WOH!	ATTN: Steve Davis		Test Start: 2013	.09.22 @ 11:35:00
GENERAL INFORMATION:				
Formation: Toronto Deviated: No Whipstock: Time Tool Opened: 13:22:15 Time Test Ended: 18:04:15	ft (KB)			nventional Bottom Hole (Initial) e McKinney
Interval:3978.00 ft (KB) To4Total Depth:4015.00 ft (KB) (THole Diameter:7.88 inchesHol		i	Reference Eleva KB to G	3128.00 ft (CF)
Serial #: 8675InsidePress@RunDepth:26.24 psigStart Date:2013.09.22Start Time:11:35:15	End Date: End Time:	2013.09.22 18:04:15		8000.00 psig 2013.09.22 3.09.22 @ 13:22:00 3.09.22 @ 16:25:45
TEST COMMENT: Built to 3/4" blow No return blow Built to 1/4" blow No return blow	, ·	1		
Pressure vs. '		Time	PRESSURE Pressure Temp	SUMMARY Annotation
3000 (ve) ven		(Min.)	(psig) (deg F)	
		0		itial Hydro-static pen To Flow (1)
	e e	31	22.84 104.06 SI	hut-In(1)
		76 77	1	nd Shut-In(1) pen To Flow (2)
		122	26.24 106.56 SI	hut-In(2)
		183 184		nd Shut-in(2) nal Hydro-static
a Lanta and and and and and and and and and an				
Recovery			Gas F	Rates
Length (ft) Description	Volume (bb)		Choła (incha	es) Pressure (psig) Gas Rate (McI/d)
1.00 clean oil	0.01			
19.00 100%Mud with oil scum	0.27			
Trilobite Testing, Inc	Ref. No; 52970			13.09.23 @ 01:37:33

Printed: 2013.09.23 @ 01:37:33

TIN TOUL	יד <i>ר</i>	DRILL	STEM TEST	REPORT	Γ	FLUID	SUMMARY
	OBITE	Lario Oil & (Gas Company		20-18s-34w Sco	tt Co. KS	
ESTING , INC		301 S Mark Wichita KS,	et ST 67202-3805		Gaschler-Kraus Job Ticket: 52970	e Unit DST#:	1
		ATTN: Ste	ve Davis		Test Start: 2013.09	.22 @ 11:35:00	
Mud and Cushion I	nformation				<u></u>		<u></u>
Viscosity: 56.0 Water Loss: 8.7 Resistivity: Salinity: 4000.0	00 lb/gal 00 sec/ql 79 in³ ohm.m 00 ppm 00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressur	e:	Oil API ft Water bbl psig	: Salinity:	deg API ppm
Recovery Informati	ion						
	Lengl	h	Description		Volume bbl		
			an oil		0.014		
	Total Length:	19.00 100 20.00 f	0%Mud w ith oil scum t Total Volume:	0.281 bbl	0.267		
	Num Fluid Samp Laboratory Nam Recovery Com	ie:	Num Gas Bombs: Laboratory Locati	0 on:	Serial #:		
Trilobite Testing. Inc			lo: 52970			09.23 @ 01:37:3	

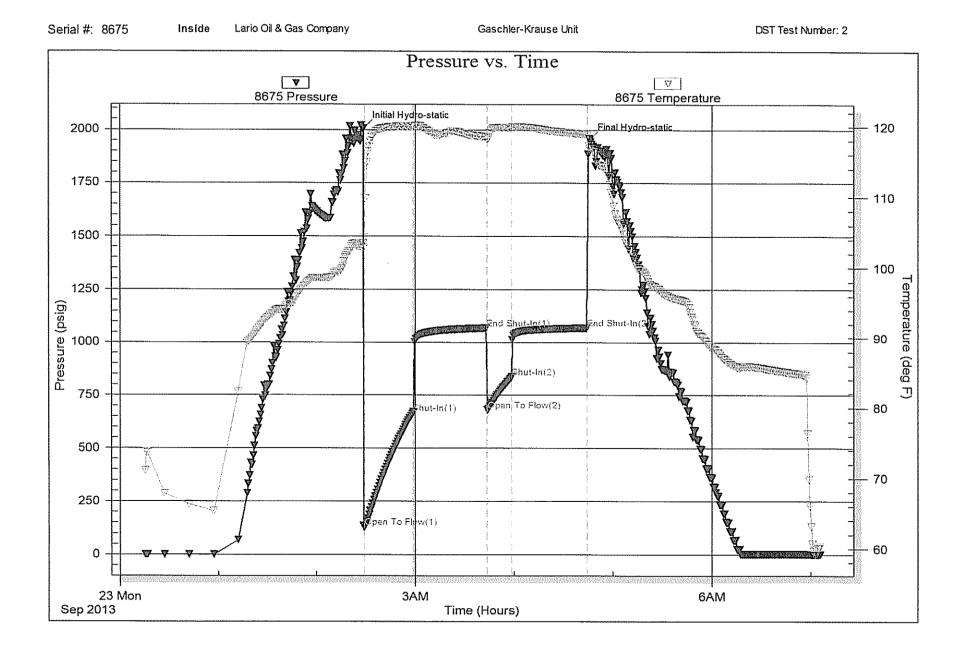


Ref. No: 52970

Printed: 2013.09.23 @ 01:37:34

RILOBITE	DRILL STEM TE	SI REP			
	Lario Oil & Gas Company		20-18s	⊶34w Scott Co	o, KS
ESTING , I	VC 301 S Market ST Wichita KS, 67202-3805			nler-Krause Ur ket: 52971	nit DST#: 2
	ATTN: Steve Davis		Test St	art: 2013.09.23 @	00:15:00
GENERAL INFORMATION:					
Formation: Lansing " A " Deviated: No Whipstoc Time Tool Opened: 02:29:00 Time Test Ended: 07:06:00	k: ft (KB)		Test Ty Tester: Unit No:	Jace McKini	al Bottom Hole (Reset) ney
Total Depth: 4030.00 ft (KB)	4030.00 ft (KB) (TVD) (TVD) -lole Condition: Poor		Referer	nce Elevations: KB to GR/CF:	3140.00 ft (KB) 3128.00 ft (CF) 12.00 ft
Serial #:8675InsidePress@RunDepth:835.08 psStart Date:2013.09.1Start Time:00:15:	23 End Date:	2013.09.23 07:06:00	Capacily: Last Calib.: Time On Btm Time Off Btm		
B.O.B. in 3 m	min. No return blow				
Pressure 1711 805 France	vz. Time		PRES	SSURE SUMM	ARY
Provide a second		(<u>tvin.)</u> 0 1 30	(psig) (d 2006.24 1 129.11 1 664.33 1 1069.34 1 678.63 1 835.08 1 1069.96 1	emp Annotati eg F) 03.48 Initial Hydr 04.24 Open To F 19.98 Shut-In(1) 18.46 End Shut-I 18.27 Open To F 19.87 Shut-In(2) 18.89 End Shut-I 16.88 Final Hydr	o-static low (1) n(1) low (2) n(2)
Recove	ry			Gas Rates	
Length (f) Description	Volume (bbi)			Choke (inches) Pressu	re (psig) Gas Rate (Mcl/d)
282.00 mcw 40%M 60%W w					
441.00 mcw 10%M 90%W	6.19				
}	20.30				
1447.00 100% Water					
* Recovery from multiple tests					

10 DA		DRI	LL STEM TEST R	EPORT	**		FLUID SI	JMMARY
(140)	RILOBITE		Dil & Gas Company		20-18s-34w	/ Scott Co.	KS	
ESTING , INC		Wichita	Market ST a KS, 67202-3805 Steve Davis		Gaschler-Krause Unit Job Ticket: 52971 DST#: 2 Test Start: 2013.09.23 @ 00:15:00			
1/2 1/2 	Cushion Information					<u></u>		
Mud Type: Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: Filter Cake;	Gel Chem 9.00 lb/gal 56.00 sec/qt 8.78 in ³ ohm.m 4000.00 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					
	Leng	th	Description		Volume bbl			
		282.00	mcw 40%M 60%W with little o	il scum	3.956	4		
		<u>441.00</u> 447.00	mcw_10%M90%W 100% Water		6.186 20.298	1		
	Total Length:	2170		30.440 bbl		ł		
	Num Fluid Sam Laboratory Nan	oles:0 ne:	Num Gas Bombs: Laboratory Location N: .13 @ 58 F = 70,000	0	Serial #:			



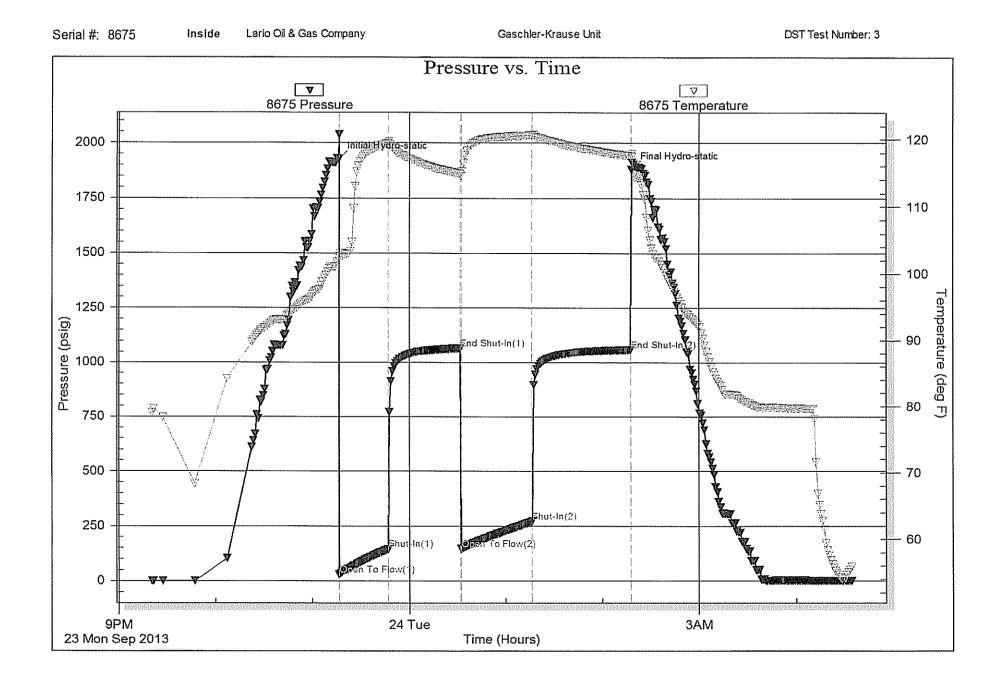
Ref. No: 52971

Printed: 2013.09.23 @ 07:34:12

	DRILL STEM TES	ST REP	ORT				
	Lario Oil & Gas Company		20-18	3s-34w	Scott Co	. KS	
ESTING , INC.	301 S Market ST Wichita KS, 67202-3805	a An an		chler-K	rause Un 972	nit DST#:	3
	ATTN: Steve Davis		Test S	Start: 20	13.09.23 @	21:20:00	
GENERAL INFORMATION:							
Formation: Lansing "B" Deviated: No Whipstock: Fime Tool Opened: 23:16:30 Fime Test Ended: 04:34:45	ft (KB)		Test T Tester Unit N	r: J	Conventiona ace McKinr 6	Il Bottom Ho 1ey	le (Reset)
nterval: 4044.00 ft (KB) To 407 Total Depth: 4072.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refere	ence Ele	vations:	3140.00 3128.00 12.00	ft (CF)
nole Dameter. 7.66 Incheshole						12.00	۶L
Serial #: 8675 Inside Press@RunDepth: 269.83 psig @ Start Date: 2013.09.23 Start Time: 21:20:15	4045.00 ft (KB) End Date: End Time:	2013.09.24 04:34:45	Capacity: Last Calib.: Time On Bti Time Off Bt	m: 2	013.09.23 (8000.00 2013.09.24 @ 23:16:00 @ 02:18:00	
B.O.B. in 14 min Bled off for 5 min.	Weak return blow Built to 1" return blow						
Pressure vs. Th AVE Pressure					E SUMM		
ECT Instan	1 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	120	(psig) (1924.16 28.66 144.64 1066.15 145.54 269.83 1059.74	101.70 119.39 114.86 114.55 120.62 117.51	Annotatio Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir Final Hydro	o-static low (1) n(1) low (2) n(2)	
Recovery				Gas	Rates		
Length (ft) Description	Volume (bbi)			Choke (in	ches) Pressu	re (psig) G	as Rate (Mcf/d)
85.00 gco 10%G 90%O	1.19						
189.00 gcow 20%G 40%O 40%V							
189.00 ocw 10%O 90%W	2.65						
252.00 100% Water with oil scun	n 3.53						
I							

é

RILOB		RILL STEM TEST F	REPORT	.	FLU	JID SUMMARY
	Lai	io Oil & Gas Company		20-18s-34v	v Scott Co. KS	<u></u>
EST		S Market ST hita KS, 67202-3805		Gaschler- Job Ticket: 5	Krause Unit 2972 DS	ST#: 3
	AT	TN: Steve Davis		Test Start: 2	013.09.23 @ 21:20	
Mud and Cushion Inf	ormation					
Mud Type: Gel Chem Mud Weight: 9.00 l Viscosity: 54.00 s Water Loss: 10.39 i Resistivity: o Salinity: 10500.00 p	lb/gal sec/qt in³ ohm.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	:	ft bbl psig	Oil APł: Water Salinity:	23 deg API ppm
Recovery Information	n					
		Recovery Table				
	Length ft	Description		Volume bbl		
	85.0			1.192	4	
	189.0			2.651	4	
	189.0			<u>2.651</u> 3.535		
To	£	715.00 ft Total Volume:	10.029 bbl		1	
Nu	im Fluid Samples: 0 boratory Name:		0	Serial #:		
		API: 23 @ 60 F = 23				

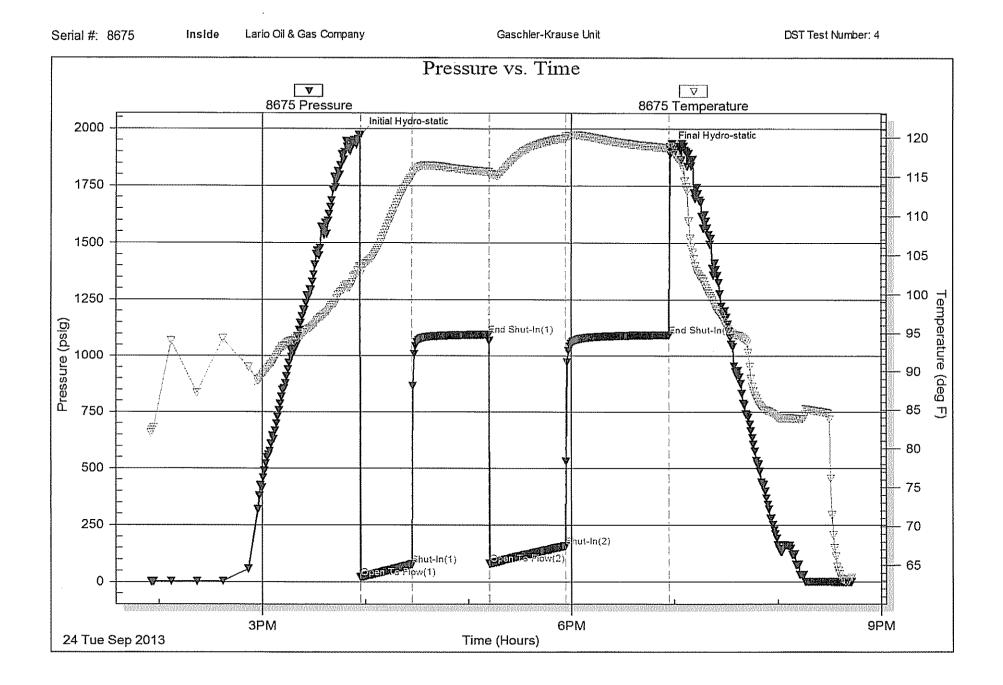


Ref. No: 52972

Printed: 2013.09.24 @ 06:31:03

	1					
	DRILL STEM TES	T REP	ORT			
RILOBITE	Lario Oil & Gas Company		20-	18s-34w	Scott Co. H	(S
ESTING , INC	301 S Market ST Wichita KS, 67202-3805			schler-K	Krause Unit	DST#:4
	ATTN: Steve Davis)13.09.24 @ 13	
					<u> </u>	
GENERAL INFORMATION: Formation: Lansing "D"						
Formation: Lansing " D " Deviated: No Whipstock: Time Tool Opened: 15:57:00 Time Test Ended: 20:42:30	ft (KB)		Tes	ter:	Conventional B Jace McKinney 46	ottom Hole (Reset)
Interval: 4106.00 ft (KB) To 4			Ref	erence Ele		3140.00 ft (KB)
Total Depth:4126.00 ft (KB) (THole Diameter:7.88 inchesHol	VD) e Condition: Poor			KB t	o GR/CF:	3128.00 ft (CF) 12.00 ft
Serial #: 8675 Inside		************				
Press@RunDepth: 156.50 psig			Capacity			8000.00 psig
Start Date: 2013.09.24 Start Time: 13:55:15	End Date: End Time:	2013.09.24 20:42:30	Last Cali Time On		20 [.] 2013.09.24 @ [.]	13.09.24 15:56:45
Statt fille. 10.00.10		£.0.7£.00	Time Off		2013.09.24 @ 1	
B.O.B. in 33 min	in. No return blow	····				
Pressure va."			P	RESSUF	RE SUMMAF	ΥY
2202		Time (Min.)	Pressure	Temp (deg F)	Annotation	
	- 15	(1481.)	(psig) 1969.98	103.57	Initial Hydro-s	tatic
	- 15	1	19.62	102.51	•	(1)
		30 75	76.61 1095.63	114.96 115.61)
		76	78.91		Open To Flow	
		120	156.50	119.89	Shut-in(2)	
		180 181	1094.06 1910.46	118.67 118.87		
		101	1910.40	110.07	rillarriyulu - si	dit.
لی <u>، اور اور اور اور اور اور اور اور اور اور</u>	ani ani					
Recovery				Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke (i		osig) Gas Rate (Mct/d)
126.00 w cm 40%W 60%M	1.77					······ •
189.00 mcw 10%M 90%W	2.65					
	<u> </u>					
* Recovery from multiple tests						
Trilobite Testing, Inc	Ref. No: 52973			Printed:	2013.09.25 @	13:16:35

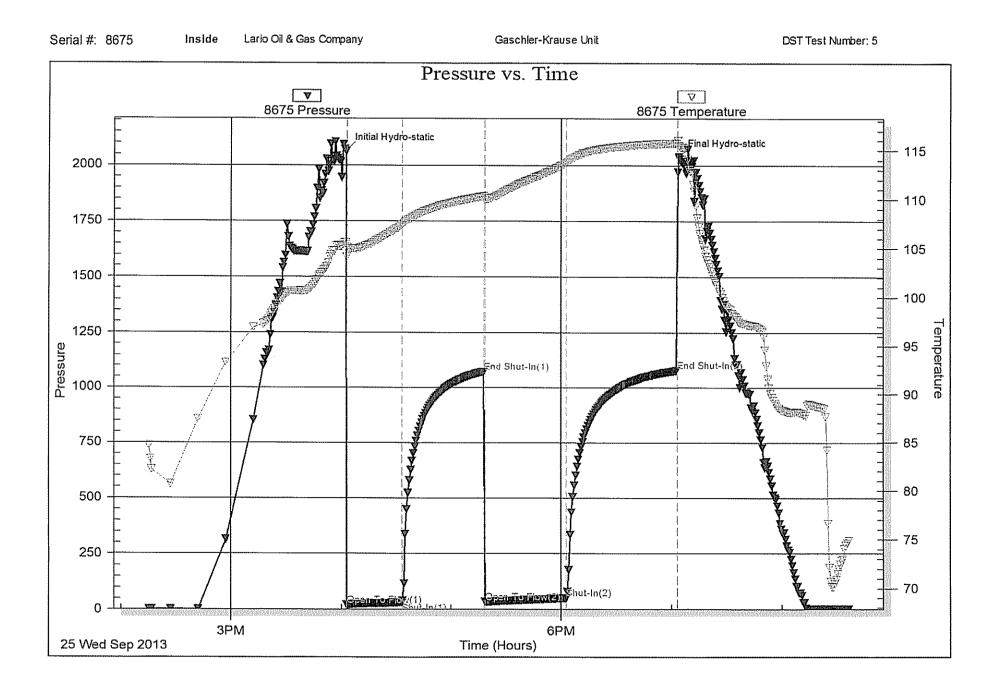
		RILL STEM TEST REPOR	RT.	FLUI	O SUMMARY
		Oil & Gas Company	20-18s-34w	Scott Co. KS	
I ES	Wich	S Market ST ita KS, 67202-3805 N: Steve Davis	Gaschler-K Job Ticket: 52 Test Start: 20		
Mud and Cushion I	oformation				
Mud Type: Gel Chem Mud Weight: 9.0 Viscosity: 52.0 Water Loss: 9.5 Resistivity: Salinity: 7400.0	0 lb/gal 0 sec/qt 9 in³ ohm.m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		Dil API: Nater Salinity:	deg APi ppm
Recovery Informati	on				
-		Recovery Table			
	Length ft	Description	Volume bbl		
	126.00		1.767		
	189.00		2.651		
	Total Length: 3	15.00 ft Total Volume: 4.418 bb	bl		
	Laboratory Name: Recovery Comments:	Laboratory Location: RW: .15 @ 70 F = 50,000			
Trilobite Testing, Inc	<u></u>	Ref. No: 52973	Printed:	2013.09.25 @ 13:16:	35



DRILLING COST	SUM	MARY:	FE1E	RTAG A 6-1	5 RE		SPL	JD DATE:	[
AFE 13266								TIME:	10:30 AM
Water: \$3500/\$70)0								
						~~~~			
Drilling	Daily				Daily		Cum.		
Date	Cost		Cum	. Exp.	Mud	Cost	Mud C	ost	
9/18/13	\$	24,900.00	\$	24,900.00	\$	-	\$	-	
9/19/13	\$	14,783.00	\$	39,683.00	\$	2,533.38	\$	2,533.38	
9/20/13	\$	27,643.00	\$	67,326.00	\$	1,493.20	\$	4,026.58	
9/21/13	\$	70,025.70	\$	137,351.70	\$	1,146.30	\$	5,172.88	FINAL
Rig released		9/21/2013							
		@ 6:00 pm							
								******	
								****	
					a na managana na minina na mini	5			
		alantin de 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1111 - 1		interformation and with interform the annual term with any set of the set of the set of the set of the set of t					
k	L		<u></u>						

RILOBITE	DRILL STEM TES	ST REP				
TESTING, INC.	Lario Oil & Gas Company		20-	18s-34w	Scott Co.	KS
	301 S Market ST Wichita KS, 67202-3805			schler-k Ticket: 52	Krause Unit 2974	DST#:5
	ATTN: Steve Davis				)13.09.25 @ 1	
GENERAL INFORMATION:			*****			
Formation:       Lansing "1"         Deviated:       No       Whipstock:         Time Tool Opened:       16:02:45         Time Test Ended:       20:36:30	ft (KB)		Tes	ter:	Conventional I Jace McKinne 46	Bottom Hole (Reset) y
Interval:4253.00 ft (KB) To427Total Depth:4276.00 ft (KB) (TVHole Diameter:7.88 inches Hole	D)		Refe	erence ⊟∉ KB t	evations: to GR/CF:	3140.00 ft (KB) 3128.00 ft (CF) 12.00 ft
Serial #: 8675InsidePress@RunDepth:50.38 psigStart Date:2013.09.25Start Time:14:15:15TEST COMMENT:Built to 2" blow No return blow Built to 2" blow No return blow No return blow	4254.00 ft (KB) End Date: End Time:	2013.09.25 20:36:30	Capacity Last Calil Time On Time Off	o.: Btm: :	20 2013.09.25 @ 2013.09.25 @	
Pressare vs. Tir		T	PF	RESSUF	RE SUMMA	RY
ACCE Descent ACCE DESCENT AC	The second secon	Time (Min.) 0 1 31 76 76 120 181 182	Pressure (psig) 2062.73 20.53 31.52 1071.67 33.76 50.38 1076.58 2037.02	Temp (deg F) 105.61 104.12 107.41 110.33	Annotation Initial Hydro Open To Flow Shut-In(1) End Shut-In( Open To Flow Shut-In(2) End Shut-In(2)	static v (1) 1) v (2) 2)
Recovery				Ga	s Rates	
Length (ft)         Description           70.00         w cm 40%W 60%M	Volume (bbl) 0.98			Choke (i	nches) Pressure	(psig) Gas Rate (Mcf/d)
* Recovery from multiple tests						

	Τ			<u></u>		
RILOBIT		ILL STEM TEST F	REPORT			FLUID SUMMAR
		Oil & Gas Company		20-18s-34v	v Scott Co.	KS
ESTIN	1 0010	Market ST		Gaschler-	Krause Unit	t
	Wichit	a KS, 67202-3805		Job Ticket: 5	2974	DST#:5
'MON'	ATTN:	Steve Davis		Test Start: 2	013.09.25 @ 1	4:15:00
Mud and Cushion Inforn	nation					
Mud Type: Gel Chem		Cushion Type:			Oil API:	deg API
Mud Weight: 9.00 lb/ga		Cushion Length:			Water Salinity:	ppm
Viscosity: 48.00 sec/ Water Loss: 8.79 in ³	qt	Cushion Volume: Gas Cushion Type:		bbl		
Resistivity: ohm	Lm	Gas Cushion Pressure	ə:	psig		
Salinity: 8000.00 ppm	I					
Filter Cake: 1.00 inch	es				-	
Recovery Information		Decessory Table				
	Longth	Recovery Table Description		Volume	1	
	Length ft	-		bbl	4	
	70.00	w cm 40%W 60%M		0.982		
Total L	ength: 70.	0.00 ft Total Volume:	0.982 bbl			
	luid Samples: 0	Num Gas Bomos:	0	Serial #:		
	atory Name: erv Comments: R	Laboratory Locatio W: .20 @ 78 F = 30,000	n:			
	,					
Trilobite Testing, Inc	ł	Ref. No: 52974		Printed	2013.09.27 @	) 10:45:04

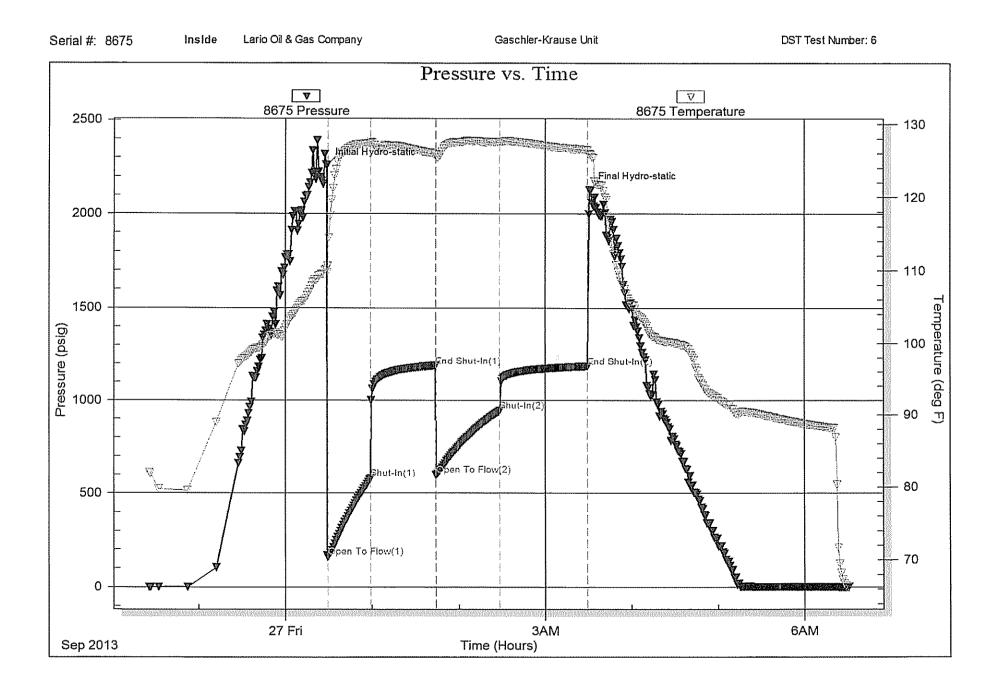


Ref. No: 52974

Printed: 2013.09.27 @ 10:45:04

	RILL STEM TES	ST REP	ORT				
	ario Oil & Gas Company		20-	18s-34w	Scott Co	. KS	
ESTING , INC 30	)1 S Market ST		Ga	schler-M	Krause Un	it	
	ichita KS, 67202-3805		Job	Ticket: 52	2975	DST#: 6	;
A	TTN: Steve Davis		Tes	t Start: 20	)13.09.26 @	22:25:00	
GENERAL INFORMATION:		,					<u> </u>
Formation: Marmaton A Deviated: No Whipstock: Time Tool Opened: 00:29:30 Time Test Ended: 06:31:00	ft (KB)		Tesl Tesl Unit	ler:	Conventiona Jace McKinn 46		e (Reset)
Interval:4466.00 ft (KB) To45000Total Depth:4500.00 ft (KB) (TVD)Hole Diameter:7.88 inchesHole Cor			Refe	erence Ele KB t	evations:	3140.00 3128.00 12.00	ft (CF)
Serial #: 8675 Inside					<b></b>		
Press@RunDepth: 944.88 psig @	4467.00 ft (KB)		Capacity:			8000.00	psig
Start Date: 2013.09.26	End Date:	2013.09.27	Last Calit			2013.09.27	
Start Time: 22:25:15	End Time:	06:31:00	Time On I Time Off		2013.09.27 ( 2013.09.27 (		
Pressure vs. Time     ZOS Pressure     ZOS Pressure	8729 Torposter	Time	PF Pressure	RESSUR Temp	RE SUMM/ Annotatio		
	1223 Temperature	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotatio	n	
		0	2255.95	110.16	-		
		1 30	160.51 579.91	110.55	Open To Fl Shut-In(1)	ow (1)	
	- 10	75	1187.04		End Shut-Ir	n(1)	
	Real Provide American Ame American American Am American American A	76	598.59		Open To Fl	ow (2)	
		120 181	944.88 1183.86	127.59 126.48	Shut-In(2) End Shut-Ir	(2)	
		182	2127.90	125.99			
ар 2010 227 год Тинк (Разла)							
Recovery		-		Ga	s Rates		
Length (fl) Description	Volume (bbl)			Choke (ii	nches) Pressur	e (psig) Ga	s Rate (Mcf/d)
10.00 Clean Oil	0.14						
146.00 oscnw 40%M60%W	2.05						
315.00 oscmw 20%M80%W	4.42						
1639.00 ocw 100%W	22.99						

	TRILOBITE	DRI	LL STEM TEST REPOR	RT	FLU	JID SUMMARY
NEW 1	Reserve and		oil & Gas Company	20-18s-34	w Scott Co. KS	
	ESTING , INC	00101	Market ST a KS, 67202-3805		-Krause Unit	
				Job Ticket: !		ST#:6
		ATTN:	Steve Davis	Test Start: 2	2013.09.26 @ 22:25:	00
Mud and Cu	Ishion Information					
~ .	el Chem		Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt 10.39 in³		Cushion Volume:	bbl		
Water Loss: Resistivity:	ohm.m		Gas Cushion Type: Gas Cushion Pressure:	psig		
Salinity:	9100.00 ppm		Gas Gustion Pressure.	paig		
Filter Cake:	2.00 inches					
Recovery In	formation		******	••••		
	<b></b>		Recovery Table		-	
	Lengt ft	h	Description	Volume bbl		
		10.00	Clean Oil	0.140	5	
		146.00	oscmw 40%M60%W	2.04	В	
		315.00	oscmw 20%M80%W	4.419		
	1	639.00	ocw 100%W	22.99	1	
	Total Length:	2110	.00 ft Total Volume: 29.598 b	bl		
	Num Fluid Samp Laboratory Nam Recovery Comn	ne:	Num Gas Bombs: 0 Laboratory Location: V: .15 @ 65 F = 50,000			

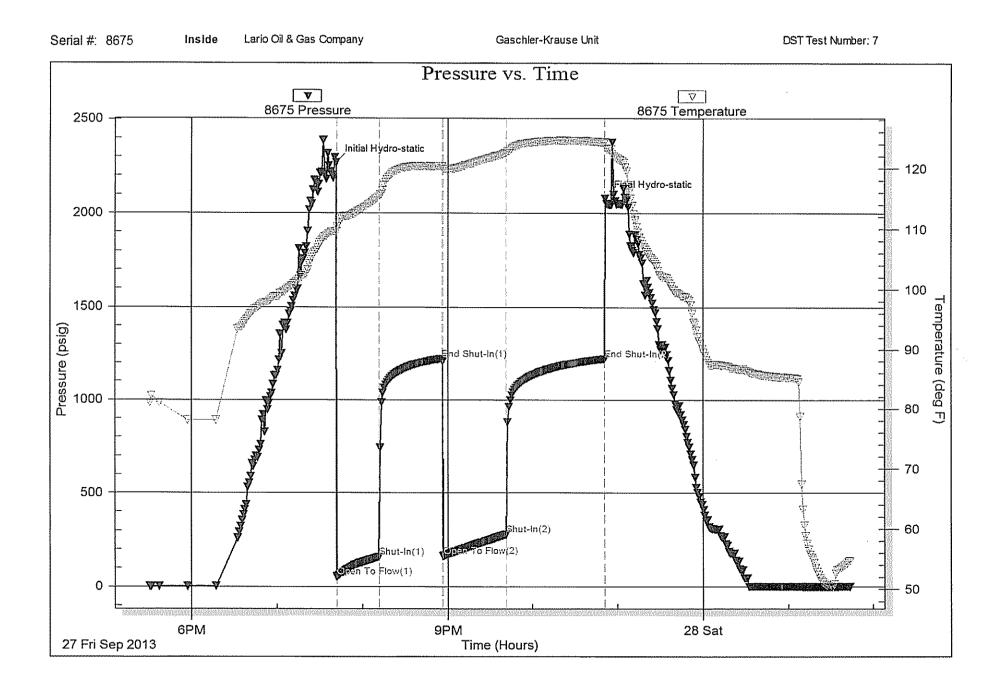


Ref. No: 52975

Printed: 2013.09.27 @ 10:44:05

RILOBITE	Lario Oil & (	Gas Company		20-	18s-34w	Scott Co. KS	
ESTING	INC					Grause Unit	
	0010100	67202-3805			Ticket: 52		T#:7
	ATTN: Ste	ve Davis				113.09.27 @ 17:30:0	
GENERAL INFORMATION:							
Formation: Marmaton B Deviated: No Whip: Time Tool Opened: 19:41:45 Time Test Ended: 01:44:00		t (KB)		Tes	ter:	Conventional Botton Jace McKinney 16	n Hole (Reset)
Total Depth: 4550.00 ft (	Fo 4550.00 ft (KB) KB) (TVD) hesHole Condition: P			Ref	erence Ee KB t	3128	0.00 ft (KB) 3.00 ft (CF) 2.00 ft
Start Date: 2013.			2013.09.28 01:44:00	Capacity Last Cali Time On Time Off	b.: Btm: 2	8000 2013.09 2013.09.27 @ 19:41 2013.09.27 @ 22:51	1:15
Pre	for 5 min. B.O.B. in 48		Time			E SUMMARY	and get the factor of the fact
		1984.799 	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation Initial Hydro-static	
			0	2268.50 53.96	109.61 109.50	Open To Flow (1)	
			1 31 75	53.96 158.58 1222.36 163.15 277.70	109.50 115.34 120.36 119.93 122.52	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2)	
			1 31 75	53.96 158.58 1222.36 163.15	109.50 115.34 120.36 119.93	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2)	
	Temphany		1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
			1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
Tergth (II)	tampkan) OVEIY ption	Volume (bbl)	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mcf/d)
red be 2013 Tel be 2013 Rec Lergih (fl) Descri	tampkan) OVEIY ption	Volume (bbl) 0.00	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mct/d)
Image: second	temptan) OVEFY plion Zipe	Volume (bbl) 0.00 3.53	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mct/d)
Image: Second	Braniphan) OVETY Iption Pipe G 50%O	Volume (bbl) 0.00 3.53 2.65	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mct/d)
Rec Length (11) 0.00 252.00 100% Clean Oil 189.00 mcgo 10%M 40% 63.00 mcgo 10%M 100	таларына) OVEГУ plion Пре G 50%O 0%W 20%G 60%O	Volume (bbl) 0.00 3.53 2.65 0.88	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mct/d)
Rec Length (11) Descrit 0.00 806 Feet Gas In F 252.00 100% Clean Oil 189.00 mcgo 10%M 40% 63.00 mc go 10%M 100	Image: Applican           OVEry           ption           Pipe           IG 50%O           IWW 20%G 60%O           IWO 40%M 40%W	Volume (bbl) 0.00 3.53 2.65	1 31 75 76 120 190	53.96 158.58 1222.36 163.15 277.70 1220.74	109.50 115.34 120.36 119.93 122.52 124.30 124.24	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (Mct/d)

RILOBITE JESTING , INC       Lario Oil & Gas Company       20-18s-34w Scott Co. KS         301 S Market ST Wichita KS, 67202-3805       301 S Market ST Wichita KS, 67202-3805       Gaschler-Krause Unit Job Ticket: 52976       DS         Mud and Cushion Information Mud Type: Gel Chem       Cushion Type: 9.00 lb/gal       Oil API: Cushion Length: Viscosity:       Oil API: 60.00 sec/qt       Oil API: Cushion Type: 60.00 sec/qt         Water Loss:       11.19 in ³ Gas Cushion Type: Gas Cushion Pressure:       Dil API: bbl	9 <b>7#:7</b> 00
Wichita KS, 67202-3805       Job Ticket: 52976       DS         Jud and Cushion Information       Test Start: 2013.09.27 @ 17:30:0         Aud Type:       Gel Chem       Cushion Type:         Aud Veight:       9.00 lb/gal       Cushion Length:       ft         Viscosity:       60.00 sec/qt       Cushion Volume:       bbl         Vater Loss:       11.19 in ³ Gas Cushion Type:       sig	
ATTN:       Steve Davis       Test Start:       2013.09.27 @ 17:30:1         Mud and Cushion Information       Cushion Type:       Oil API:         Aud Type:       Gel Chem       Oil API:         Aud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:         Aud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:         /iscosity:       60.00 sec/qt       Cushion Volume:       bbl         Water Loss:       11.19 in ³ Gas Cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig	00
Mud Type:       Gel Chem       Cushion Type:       Oil API:         Mud Weight:       9.00 lb/gal       Cushion Length:       ft       Water Salinity:         /iscosity:       60.00 sec/qt       Cushion Volume:       bbl       bbl         /vater Loss:       11.19 in ³ Gas Cushion Type:       cushion Type:         Resistivity:       ohm.m       Gas Cushion Pressure:       psig	
Mud Weight:     9.00 lb/gal     Cushion Length:     ft     Water Salinity:       /iscosity:     60.00 sec/qt     Cushion Volume:     bbl       /vater Loss:     11.19 in ³ Gas Cushion Type:       Resistivity:     ohm.m     Gas Cushion Pressure:     psig	
/iscosity:     60.00 sec/qt     Cushion Volume:     bbl       Water Loss:     11.19 in ³ Gas Cushion Type:       Resistivity:     ohm.m     Gas Cushion Pressure:     psig	32 deg API
Water Loss:     11.19 in ³ Gas Cushion Type:       Resistivity:     ohm.m     Gas Cushion Pressure:     psig	ppm
Resistivity: ohmm Gas Cushion Pressure: psig	
alinity: 10500.00 ppm	
ilter Cake: 2.00 inches	
Recovery Information	
Recovery Table	
Length Description Volume ft bbl	
0.00 806 Feet Gas In Pipe 0.000	
252.00 100% Clean Oil 3.535	
189.00 mcgo 10%M 40%G 50%O 2.651	
63.00 mcw go 10%M 10%W 20%G 60%O 0.884	
126.00 gcomw 10%G 10%O 40%M 40%W 1.767	
75.00 mcw with oil scum 20%M 80%O 1.052	
Total Length: 705.00 ft Total Volume: 9.889 bbl	
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:	
Laboratory Name: Laboratory Location:	
Recovery Comments: API: 31 @ 50 F = 32	
RW .20 @ 50 F = 50,000	
RVV.20 (# 50 F - 50,000	



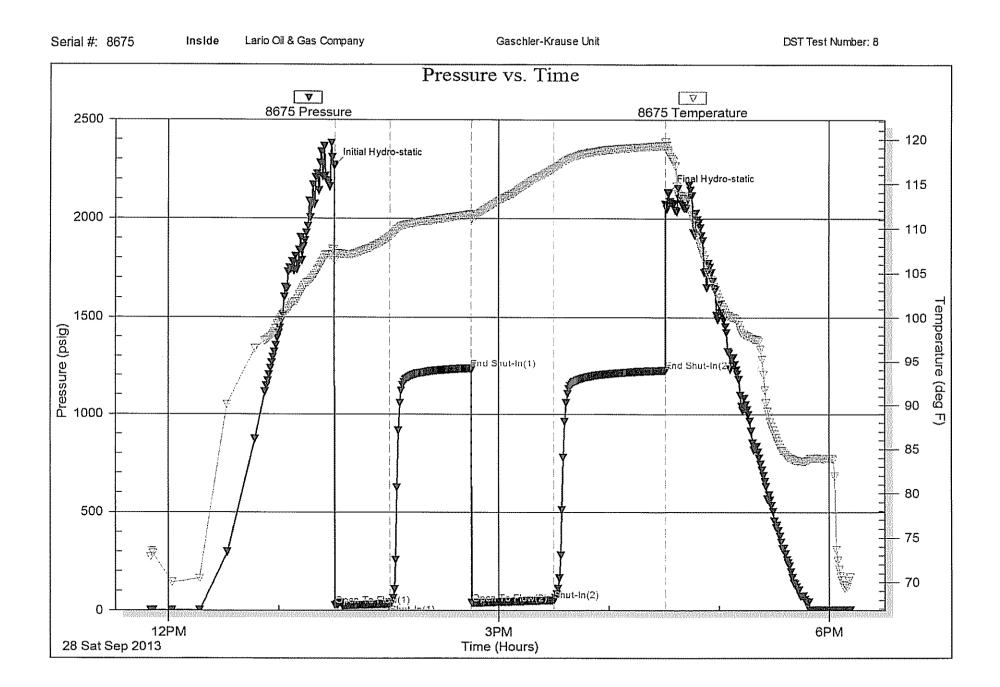
Ref. No: 52976

Printed: 2013.09.28 @ 06:59:40

RILOBITE	DRILL STEM TES	T REP	ORT		
NATU Language	Lario Oil & Gas Company		20-	18s-34w	/ Scott Co. KS
ESTING , INC.	301 S Market ST Wichita KS, 67202-3805				Krause Unit
	ATTN: Steve Davis			Ticket: 52 Start: 20	2977 <b>DST#: 8</b> 013.09.28 @ 11:50:00
					······
Formation: Pawnee					
Deviated: No Whipstock: Time Tool Opened: 13:30:30 Time Test Ended: 18:11:30	ft (KB)		Test Test Unit	er:	Conventional Bottom Hole (Reset) Jace McKinney 46
Interval: 4548.00 ft (KB) To 458 Total Depth: 4585.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refe		evations: 3140.00 ft (KB) 3128.00 ft (CF) to GR/CF: 12.00 ft
Serial #: 8675InsidePress@RunDepth:52.72 psigStart Date:2013.09.28Start Time:11:50:15		2013.09.28 18:11:30	Capacity: Last Calib Time On I Time Off	o.: 3tm: :	8000.00 psig 2013.09.28 2013.09.28 @ 13:30:15 2013.09.28 @ 16:32:00
TEST COMMENT: Built to 2" blow No return blow Built to 1 1/2" blov No return blow	v				
Pressure vs. Te	CLC [I] BUS Tampankes				RE SUMMARY
	RUE Treponder	Time (Min.) 0 1 31 75 75 120 181 182	Pressure (psig) 2263.90 27.38 33.52 1235.45 38.67 52.72 1224.00 2130.75	Temp (deg F) 107.62 106.37 109.07 111.56 111.04 116.66 119.25 118.72	Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)
Recovery	· · · · · · · · · · · · · · · · · · ·			Ga	s Rates
Length (ft)         Description           70.00         100% Mud with oil spots	Volume (bbl) 0.98			Choke (i	nches) Pressure (psig) Gas Rate (Mcf/d)
* Recovery from multiple tests	Ref. No: 52977	J.,		m. t. d. d.	2013.09.29 @ 00:26:33

(Th)-	RILOBITE TESTING , INC.	DRILL STEM TEST REP	FLUID SUMMA	ARY					
		Lario Oil & Gas Company 20-18s-34w Scott C		Scott Co. KS					
		301 S Market ST Wichita KS, 67202-3805	Gaschler-K	Gaschler-Krause Unit					
			Job Ticket: 52	977 DST#:8					
		ATTN: Steve Davis	Test Start: 20	tart: 2013.09.28 @ 11:50:00					
Mud and Cushion Information									
Mud Type: G	el Chem	Cushion Type:	C	Dil API: deg A	ΝPI				
Mud Weight:	9.00 lb/gal	Cushion Length:	ft V	Vater Salinity: ppm					
Viscosity:	67.00 sec/qt	Cushion Volume:	bbl						
Water Loss:	11.19 in³	Gas Cushion Type:							
Resistivity:	ohm.m	Gas Cushion Pressure:	psig						
Salinity:	12000.00 ppm								
Filter Cake:	2.00 inches								
Recovery Information									
Recovery Table									
	Leng	h Description	Volume						

	Length ft	Description			Volume bbl
	70.00	100%	100% Mud w ith oil spots		0.982
Total Length: 70.		0.00 ft	Total Volume:	0.982 bbl	
Num Fluid Samples: 0 Laboratory Name: Recovery Comments:		Num Gas Bombs: Laboratory Locatior	0 1:	Serial #:	



Ref. No: 52977

Printed: 2013.09.29 @ 00:26:33