Confidentiality Requested: Yes No

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

1092324

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.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Producing Formation:
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 Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Commingled Permit #: Dual Completion Permit #: SWD Permit #: ENHR Permit #: GSW Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm provide content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite: Operator Name: Lease Name:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	Quarter Sec TwpS. R East West 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	
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		-	on (Top), Depth a	Sample	
Samples Sent to Geolog	gical Survey	Yes No	Name	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
			RECORD New		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
	1	ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth	Type of Cement	# Sacks Llead		Type and P	Porcont 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?	Ye
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Ye
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Ye

Yes	No
Yes	No
Yes	No

No

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

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

Shots Per Foot		PERFORATION Specify For		RD - Bridge F Each Interval		е			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	ING RECORD: Size: Set At: Packer At:			Liner R	un:	No				
Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pum			oing	Gas Lift	Other (Explain)					
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	ər	Bbls.	Gas-Oil Ratio	Gravity
									I	
DISPOSITION OF GAS: METHOD OF COMP			OF COMPLE	TION:		PRODUCTION INT	ERVAL:			
Vented Solo	J 🗌	Used on Lease		Open Hole	Perf.	Dually		Commingled		
(If vented, Su	bmit ACC	D-18.)		Other (Specify))	(Submit)	400-5)	(Submit ACO-4)		

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

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	Thies Ranch 5-19
Doc ID	1092324

Tops

Name	Тор	Datum
Heebner	3768	-1008
Lansing	3802	-1042
Stark Shale	4050	-1290
Hushpuckney	4084	-1324
ВКС	4129	-1369
Marmaton	4182	-1422
Pawnee	4256	-1496
Ft. Scott	4288	-1528
Johnson	4378	-1618
Morrow	4409	-1649
Basal Penn	4442	-1682
Mississippian	4450	-1690

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

October 31, 2012

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

Re: ACO1 API 15-063-22034-00-00 Thies Ranch 5-19 NW/4 Sec.19-14S-31W Gove 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. P.O. Box 1093 Garden City, KS 67846 AFE 12-239 2 Stage Drilling CK 9/10/12



Invoice Number: 132557 Invoice Date: Aug 27, 2012 Page: 1



Custon	ner ID	W	ell Name/# or Customer P.O.		Payment	Terms	
Lari	io		Theis Ranch #5-19		Net 30	Days	
Job Loo	cation		Camp Location	S	ervice Date	Due Date	
KS1-	01		Oakiey	A	ug 27, 2012	9/26/12	
Quantity	ltem		Description		Unit Price	Am	ount
150.00	MAT	Class A	Common		16.25	1	2,437.50
3.00	MAT	Gel			21.25		63.75
5.00	MAT	Chloirde	9		58.20		291.00
161.00	SER	Cubic F	eet		2.10		338.10
296.00	SER	Ton Mile	eage		2.35		695.60
1.00	SER	Surface			1,125.00		1,125.00
40.00	SER	Pump T	ruck Mileage		7.00		280.00
40.00	SER	Light Ve	ehicle Mileage		4.00		160.00
1.00	EQP	8.5/8 To	pp Wooden Plug		92.00	$ \cap$	92.00
1.00	CEMENTER	Darren I	Racette			h //	
1.00	EQUIP OPER	Tyler Fli	ipse		and 1		
1.00	OPER ASSIST	Chris H	elpingstine	and the second sec	9C		
ALL PRICES AR	E NET, PAYABLI	<u> </u>	Subtotal				5,482.95
30 DAYS FOLL	OWING DATE OF		Sales Tax				232.18
	2% CHARGED		Total Invoice Amount				5,715.13
	IF ACCOUNT IS E DISCOUNT OI		Payment/Credit Applied				
	<u></u>		TOTAL				5,715.13
	.ax						

ONLY IF PAID ON OR BEFORE
Sep 21, 2012

	AS SERVICES, LLC 056677	
EMITTO DO DON AL RUSSELL, KANSAS 67665	SERVICE POINT	
	Oakley	
TTE 8-27-12 SEC. TWP. RANDE	CALLED OUT ON LOCATION JOB START PH JOB FINISH	
	105 ALE SAL COUNTY STATE	
LD OF NEW (Circle one)		
ONTRACTOR DUKe -154 YPB OF JOB SUSTACE	OWNER Same (10) 8.03	
OLESIZE 12/4 T.D. 226	CEMENT	
ASINO SIZE 8% DEPTH 223.39 JBINO SIZE DEPTH	AMOUNT ORDBRED 150 sks Com 3% CC	
JBINO SIZE DEPTH RILL PIPE DEPTH	2% Gel	
20L DEPTH		
ES. MAX MINIMUM	COMMON 150 5Ks # 16 25 # 2437.50	
EAS. LINE SHOE JOINT IMENT LEFT IN CSO. /S'	POZMIX	
RFS.	CHLORIDE 5 5Ks & 58 A2 # 291,02	
SPLACEMENT 13,27	ASC	
EQUIPMENT	@	
IMPTRUCK CEMENTER Down Resette- 1	@ @	
423-281 HELPER Tuler Flipse 2	@	
JLK TRUCK	······································	
347 DRIVER Chris Helpingstein 3 JLK TRUCK	·	
DRIVER		n
	HANDLING 162.09 x 64 212 2.283.49 338.11 MILEADE 7.45 x 40 x \$ 2,35 \$ 605.60	
REMARKS:	1 00	
n/x 150 SKs Cament	296 TOTAL 382575	
risplace with water	SERVICE	
entert Die Cliculate.		
	DEPTH OF JOB # 1/25.99	
	EXTRA FOOTAOE	
	MILEAGE 40 @#7.92 #280.99	
9	MANIFOLD @ #4,99 # 250 20	
· · · · ·		
IARDETO: Lacio all + Gas Co.	2	
REET	TOTAL ^{# 1525.000}	
ΓΥ STATE ZIP		
	PLUG & FLOAT EQUIPMENT	
	1 Top up aden Plug @ \$92.00	
s: Allied Oil & Gas Services, LLC.	@@	
in are hereby requested to rent cementing equipment d furnish cementer and helper(s) to assist owner or		
ntractor to do work as is listed. The above work was	Bid	
ne to satisfaction and supervision of owner agent or	TOTAL ** 92 22	
nitactor. I have read and understand the "GENERAL RMS AND CONDITIONS" listed on the reverse side,	SALES TAX (IFANY)232,18	
	TOTAL CHAROBS 57482.95 OK	
INTED NAME Kich Wheeler		
$\neg \rho$, $\rho \rho$	DISCOUNT 28 1.5 3.5.2.2. IF PAID IN 30 DAYS	
INATURE Kich Wheeler		
	· · · ·	

· ·

-

BID SHEET

Dale	8/27/12					
Service Point:	Oabley					
Manager	Terry Helnrich					
Address	P.O. Box 27					
	Oakley, KS 67748					
Business Phone	785-672-3452					
E-mali	IT THE REAL PROPERTY AND A DESCRIPTION OF A					
Mobile	785-673-93761525333312331223					

			ED ES, LLC
et OILO	CGA3 3.	CICYIC	

Company	larjo Oll & Gas Company States	Prepared For:				Datazzastor	
Address	BOLS, Market SERVICE	Title:	Opera Frig. de Charles Costa	Open Hole	12 1/4	Depth	220
Address	Wichita Kansas, 67202	Business Phone:	316-265-5611			l.D.	12.25
Well Name		E-mail:	tribmelteri Blancoll cent			lob Excess	, 100
Lease	#5-19 . TO TO THE REAL	Mobile Phone:	· · · · · · · · · · · · · · · · · · ·	Casing 5120	. 6 6/6	Depth	220
Fleid			Neet hopp (Section Section			0,D,	8.6875
County		Title:	Field Sales Manager			I,D,	7,825
State		Business Phone:	316-250-3368	ľ		Casing Weight	· 24
Section		E-mall:	neil mon bitedierver com]		Thread	5TC .
Township	145	Mobile Phone:	316-250-7057]		Grade	1-55
Rango		Rig Contractor	Duke Drilling	ļ			
API Number	1	RigName	#ACCONTRACTOR OF]			
Proposal Title:		Rig Phone]			
	13.5.		Reading and	1			

	[[]	Cost per	[Unit	
	Units	UOM	Unit	Tolal	Net	Net
CIMN - Calling Pump Charge 0 to 300'	1.00	(lor hours)	\$1,125.00	\$ 1,125.00	\$ 810.	00 \$810.00
	0.00	0.00	\$0.00	\$	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ •	\$ -	\$0.00
	0.00*?		\$0,00	\$ -	\$.	\$0.00
Sublotal			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 1,125.00		\$810.00
Wobden Plug	1.00	Each 😳	\$92.00	\$ 92.00	\$ 66.	24 \$66.24
	0.00	Each	POR	\$ -	\$ -	\$0,00
	°0.00	Each	POR	\$	\$ -	\$0.00
	0.00	Each	POR	Ş -	\$ -	\$0.00
	0.00	Eath	POR	\$ -	\$ -	\$0.00
	0.00	Each .	\$0.00	\$ -	5 -	\$0.00
Sublotal				\$ 92.00		\$66.24
CAG- CLASS A COMMON THE STREET	150.00	per sick	\$16.25	\$ 2,437.50	\$ 11.	70 \$1,755.00
CACL - Celtium Chloride	. A.00 .:	persack ;	\$58.20	\$ 232.80	\$ 41.	\$167.62
PGEL Premlum Gel (Bentonlie)	3.00.	per sick .	\$21.25	\$ 63.75	\$ 15.	30 \$45.90
		0.00	\$0.00	\$ -	\$ -	\$0.00
	0.00	. 0.00	\$0,00	\$ •	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$-	\$0.00
		0.00	\$0,00	\$.	\$ -	\$0.00
	0.00		\$0,00	\$	\$ -	\$0.00
Subtotal				\$ 2,734.05	· · ·	\$1,968.52
HDLG - Products handling service charge	161.00	per cu. Ft.	\$2.10	\$ 338,10	\$ 1,	53 \$246.81
DRYG - Drayage for products	295.00	ton mile :	\$2.35	\$ 695,60	\$ 1.	\$507.79
MILV - Ught Vehicle Mileage	40.00	. pet mile .	\$4,00	\$ 150.00	\$ 2.	92 \$116.BO
MIHV - Heavy Vebkle Mileage	40.00	per mile	\$7,00	\$ 280,00	\$ 5.1	
Subtotal		· · · · · · · · · · · · · · · · · · ·		\$ 1,473.70		\$1,075,80
	0.00	- 0,00	\$0.00	\$	\$ -	\$0.00
	0.00	0.00	\$0.00	\$ -	\$ -	\$0.00
Subiolal				\$.		\$0.00
Totals:	A			\$ 5,424.75		\$3,920.56
DISCOUNT: Operations			28.0%	(315.00)		
DISCOUNT: Equipment Sales			28.0%	(25.76)		
DISCOUNT: Products			28.0%	(765.53)		
DISCOUNT: Transport			27 0%	(397,90)		
DISCOUNT: OTHER			28.0%	0.00		
			Total	(1,504.19)		

Oil Well Services, LL	🐃 📙 Cancalidatad Oil Wall Sa		MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012			
INVOICE		A Anno Anno Anno Anno Anno Anno Anno An	Invoice #	252648		
	Terms: 15/15/30,n/30			essessessesses Page 1		
			A	12-239		
LARIO OIL & GAS		S RANCH 5	-19 2	Stage mpletion		
P.O. BOX 1093 GARDEN CITY KS 63784 (316)265-5611	•	6 4-31 07-2012		12 9/14/12		
(310)203-3011	KS					

	iption		Unit Price			
	ELL CEMENT EAL (50# BAG)	150.00 750.00	.5600			
1131 60/40	POZ MIX	505.00	15.1000	7625.50		
	UM GEL / BENTONITE EAL (25#)	3474.00 126.00		868.50 355.32		
	LUSH (SALE)	500.00				
4156 FLOAT	SHOE 4 1/2"	1.00		385.00		
•	" LATCH DOWN PLUG	1.00 1.00		475.00 261.00		
	T BASKET 4 1/2" OL SIZE 4 1/2" (STA	1.00				
	ALIZER 4 1/2"	9.00	46.0000	414.00		
9996-130 CEMEN	iption T MATERIAL DISCOUNT T EQUIPMENT DISCOUNT	2		Total -2833.02 -532.65		
	ΛΛ	Hours	Unit Price	Total		
Description 463 SINGLE PUMP		1.00	3020.00	3020.00		
463 EQUIPMENT MILEAGE (C		10.00	5.00	50.00		
566 TON MILEAGE DELIVERY		1.00	481.00	481.00		
	SEP 1					
*	YC Amount Due 2395	8.20 if pa	aid after 10)/11/2012		
				=========		
Parts: 18886.82 Freight		1292.3		20364.47		
Labor: .00 Misc: Sublt: -3365.67 Supplie	.00 Total: s: .00 Change:	20364.4	17 00			
subit: -3365.67 suppire	· · · · · · · · · · · · · · · · · · ·	-		. = = = = = = = = = = = =		
Signed			Date			
BARTLESVILLE, OK EL DORADD, KS EURE 918/338-0808 316/322-7022 620/58	(A, KS PONCA CITY, OK OAKLEY, KS 3-7664 580/762-2303 785/672-2227	OTTAWA, Ks 785/242-4044	THAYER, KS 620/839-5269	GILLETTĖ, WY 307/686-4914		

Concolidated

36736 TICKET NUMBER ONALey

L	0	C	Å	T](D	N	I
c	0	b		R/	17	۸I	N	

	to Well Contex	a, lug 5				FOREMAN	F-224	
Ś		, FIFI		& TREA				
20 Box 884, Ch	nanute, KS 8672 pr 800-467-8676			CEMEN				25
DATE	CUSTOMER #	WELL	NAME & NUME		SECTION	TOWNSHIP	RANGE	COUNTY
	4793	てんしょう	Ranch	5-19	ાર	14	کی (Gove
CUSTOMER			<u>,,</u>	ONFIRY			TRUCK #	DRIVER
Lario	0-14	GAS		Jaymo	TRUCK#		TRUCK #	DRIVER
MAILING ADDRE	SS			120 NS	566	DAMONW		
		STATE	ZIP CODE	295	206	UNILLES S		
CITY		SIAIE		S Jan	566-129	14.143 >		
			76		4650'		EIGHT 417	10,5
JOB TYPE	- saace	HOLE SIZE		HULE DEFIF		44	OTHER DUG	2244
CASING DEPTH	4650	DRILL PIPE	10-1.89		k			
	>> <			SSIV DOI		RATE		
	r <u>73.5</u>	4	in h. D.		Brews	+ 22 120	hade th	8
	as the top	e-ening o		2 Clue	L SBR	Lundet.	mixi	50913
nin	I appendente	I and I	120 -2 10	un a Bural	Iznos D	COL Alue H	LNO CALSA	MACK
70 00	2 .	34 Rb1	myd h	(Q.~ 50	o hand	1001	PLOD DC	Pow D
• •	1 0 0				Pinno S	RAI L.A.	- P 11/1-	505 45
11 IN	NUL LANC	12- 1-0	lun de	and '	24515549	(down -	1.2 61531	$\sim c$.
	. ^ .		Los NI.	المريمة م	alies 14/	0 36 89	L LUNTOK	
DAGR PU	NP 4-20	204 2/00	- 00T	001. 0	emente	And chires	lude w	ADIDA
	2 40 5							
	<u> </u>					Thanks -	Forres	Crew .
ACCOUNT	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
CODE	τ		PUMP CHARG	E			302000	
5401C	<u> </u>	0	MILEAGE				SPR	5000
5406		. 8 dow		yleas	Bellvery		1 97	48199
5407A		. 0 4010						
1126	150	osks	owe				225	7382 55
		50 *	Kolse			****	-56	42000
LIIOA) <u>5 5125</u>					1510	76255
1131		<u>474</u> *	Bondon	- te			1.25	868-
11183	<u> </u>		floren	<u> </u>		*****	222	355 3
1107	<u> </u>	<u>_6</u> #			-		10,0	500
1144g	50	OGAL	mud		-1-12-6-	-0	385 92	1300 20
4156		<u> </u>			BOWN NE		47500	475 25
4453		<u>\</u>		Basky		<u></u>	76100	1220
4103		<u>\</u>	4112-	DUTE		(w)	4200	4200
4226		<u>\</u>	4112-		14tzets		4600	914=
4129		ঀ	1-12-	Cere	Subt	<u>atel</u>	A. Server	22437 2
					1=55	·	A contraction of the second	33656
	<u> </u>					40×41		19072.1
					300		SALES TAX	1292.3
Ravin 3737	<u> </u>		1				ESTIMATED	ł
mavin arar	\sim		1				TOTAL ,	20364.4

AUTHORIZTION

TITLE Production Breman DATE 9/7/12 us

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

252648

(DA TRILOBITE	DRILL STEM TES	ST REF					
	Lario Oil & Gas Company		19	-14S-31V	V-Gove K	s	
ESTING , #	C 301 S Market		Th	ies Ran	ch #5-19		
	Witchita KS, 67202		Jot	Ticket: 50	010	DST#: 1	1
	ATTN: Brad Rine		Tes	st Start: 20	012.09.01 @	04:20:57	
GENERAL INFORMATION:							
Formation: Lansing "D" Deviated: No Whipstoch Time Tool Opened: 06:42:37 Time Test Ended: 10:47:57	: ft (KB)		Tes	ster:	Convention Tate Lang 62	al Bottom Ho	le (Initial)
Interval: 3870.00 ft (KB) To Total Depth: 3893.00 ft (KB) Hole Diameter: 7.88 inches	3893.00 ft (KE) (TVD) (TVD) lole Condition: Good		Re	ference Ele KB 1	evations: to GR/CF:	2760.00 2751.00 9.00	ft (CF)
Serial #: 8018InsidePress@RunDepth:17.03 psStart Date:2012.09.0Start Time:04:20:0	1 End Date:	2012.09.0 10:47:5		lib.: I Blm:		8000.00 2012.09.01 @ 06:42:27 @ 09:14:17	, -
TEST COMMENT: IF-Weak Sufa ISI-Dead No I FF-Dead No I FSI-Dead No	eturn Blow Ilow Return Blow						
Pressure Did Pressure	75, Time Dia Temperatria	Time	Pressure		Annotat		
		(Min.)	(psig)	(deg F)			
1720			0 1884.34 1 15.46	112.71 111.65	-		
		3		112.12			
		7			End Shut		
		7	1		Open To Shut-In(2		
	- 105	10 15 3 3 4 5 5 15 5 15 15 15 15 15 15 1			End Shut-	•	
	- πο - πο	ື 15	2 1856.61	114.28	Final Hyd	ro-static	
DAM 1 Bar Sep 2012 Three	يلين المعاد المعاد						
Recove	ry				as Rates		
Length (ft) Description	Volume (bbl)			Choka	(inches) Pres	sure (psig) G	ias Rate (Mc1/d)
1.00 100%M	0.01						
IIIIII		<u> </u>			: 2012.09.0		

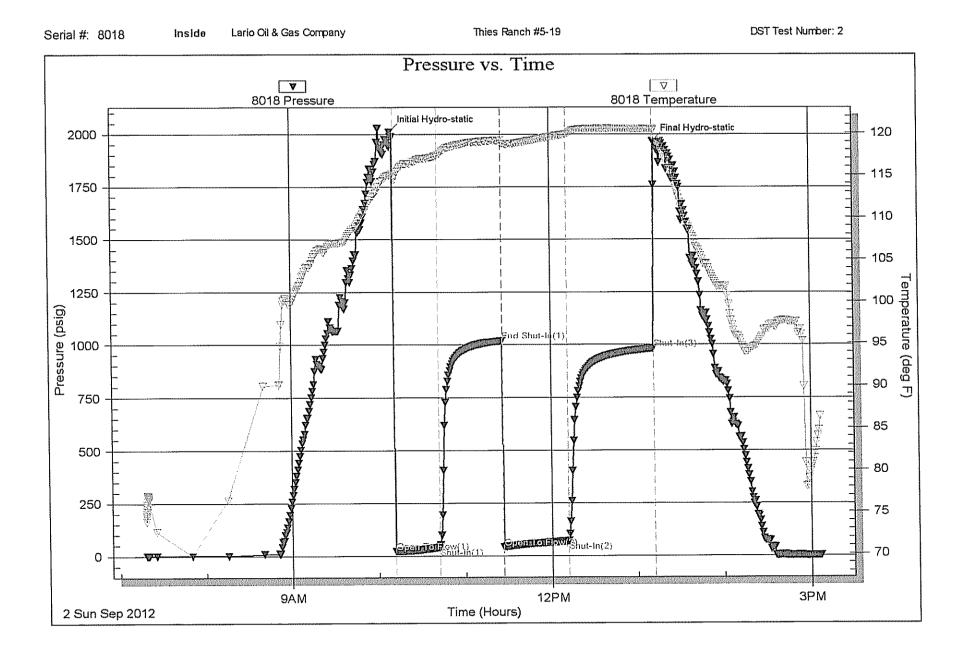
Printed: 2012.09.01 @ 22:51:12

6

	RILOBITE	Lario Oil & Gas Company			19-	14S-31V	V-Gove	KS	
	TESTING , INC.				ты	ies Rano	ch #5_11	3	
	I LUTING , HO	301 S Market Witchita KS, 67202				Ticket: 50			Ĩ#:2
		ATTN: Brad Rine			162	1 Start. 20	12.09.02	@ 07:18:0	
GENERAL I	INFORMATION:								
•	LKC-"J" No Whipstock: Ined: 10:11:20 ed: 15:06:39	ft (KB)			Tes Tes Unit	ter: (Conventic Chuck Sri 62		Hole (Reset)
Interval: Total Depth: Hole Diameter:	4045.00 ft (KB) (T\	4 5.00 ft (KB) (TVD) /D) e Condition: Good			Refe	erence Ee KB t	evations: to GR/CF:	2751	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8 Press@RunDe Start Date: Start Time:		@ 4022.00 ft (KB) End Date: End Time:	2012.09. 15:06:		Capacity: Last Calil Time On I Time Off	b.: Btm: 2		8000 2012.09 02 @ 10:09 02 @ 13:12	:20
TEST COM	MENT: B.O.B, @ 18 min No return. B.O.B. @ 19 min No return.								
	Pressure vs. I		Tim			RESSUR			
2000	Pressure vs. I	ime ED Terreres	Time ∞ (Min.	1	Pr Pressure (psig)	RESSUF Temp (deg F)	RE SUM		
2000	CT (DSI Preside) 02	Pressure (psig) 2008.65	Temp (deg F) 114.96	Annot: Initial Hy	ation dro-static	
1720	CT (DSI Preside		∞ (Min.) 02 2	Pressure (psig) 2008.65 21.26	Temp (deg F) 114.96 114.09	Annoti Initial Hy Open To	ation dro-static o Flow (1)	
-	CT (DSI Preside		120 (Min. 118 110) 02 2 33	Pressure (psig) 2008.65	Temp (deg F) 114.96 114.09 117.28	Annot: Initial Hy	ation dro-static o Flow (1) 1)	
1720	CT (DSI Preside		150 (Min. 118 110 120) 02 2 33	Pressure (psig) 2008.65 21.26 40.22	Temp (deg F) 114.96 114.09 117.28 119.09 118.69	Annota Initial Hy Open To Shut-In(End Shu Open To	ation dro-static 5 Flow (1) 1) 1) ut-In(1) 5 Flow (2)	
1720	CT (DSI Preside		ະສ (Min. ເອ ເອ ະອ ະອີ ¹⁵ ກາງອອກເປັນ ເພ) 2 2 33 77 1 78 23	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(ation dro-static p Flow (1) 1) 1t-In(1) p Flow (2) 2)	
			128 (Min. 19 10 10 10 10 10 10 10 11 10 11 10 11 10 11 11) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81 120.41	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(ation dro-static p Flow (1) 1) 1t-In(1) p Flow (2) 2)	
1730 1000 730 0000 			19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.99 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(ation dro-static o Flow (1) 1) tt-In(1) o Flow (2) 2) 3) dro-static	
			19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.99 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(Final Hy s Rates	ation dro-static o Flow (1) 1) tt-In(1) o Flow (2) 2) 3) dro-static	Gas Rate (Mct/
1720 1500 720 730 000 000 000 000 000 000 000 000 00	The (Hard)		19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(Final Hy s Rates	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) 3) dro-static	Gas Rate (Mct/d
(120 120 120 730 200 200 200 200 200 200 200 200 200 2	EM True(han) True(han) True(han) Description	EPM 27M	19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(Final Hy s Rates	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) 3) dro-static	Gas Rate (McI/d
1730 1530	Continuent Contin	линор СРМ 3 ⁷ М Volume (bbl) 0.84	19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(Final Hy s Rates	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) 3) dro-static	Gas Rate (Mct/s
1730 1400 1500	EM True(Ham) Recovery Description GOCM 10g 20o 70m GO 10g 90o	раничери на политично на поли во политично на поли во политично на поли во пол	19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10) 2 2 33 77 1 78 23 83	Pressure (psig) 2008.65 21.26 40.22 1018.85 40.14 69.20 981.74	Temp (deg F) 114.96 114.09 117.28 119.09 118.69 119.81 120.41 120.25	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(Shut-In(Final Hy s Rates	ation dro-static o Flow (1) 1) ut-In(1) o Flow (2) 2) 3) dro-static	Gas Rate (Mc//

Printed: 2012.09.02 @ 23:02:21

(TEN-	RILOBITE	DRI	LL STEM TEST R	EPOR	Г	F	LUID SUMMAR
	£		Dil & Gas Company		19-145-31	W-Gove KS	
	ESTING , I	00.0	Market a KS, 67202		Thies Rai Job Ticket:		DST#: 2
		ATTN:	Brad Rine		Test Start: 2	2012.09.02 @ 07:	18:00
/lud and Ci	ushion Informatio						
Aud Type: G	el Chem		Cushion Type:			Oil API:	38 deg API
Nud Weight:	9.00 lb/gal		Cushion Length:		ft	Water Salinity:	ppm
iscosity:	46.00 sec/qt		Cushion Volume:		bbl		
Vater Loss:	7.96 in³		Gas Cushion Type:				
esistivity:	ohm.m		Gas Cushion Pressure:		psig		
alinity:	5000.00 ppm						
lter Cake:	1.00 inches						
ecovery Ir	formation						
			Recovery Table				
	L	ength ft	Description		Volume bbl		
		60.00	GOCM 10g 20o 70m		0.842	2	
		60.00	GO 10g 90o		0.842		
		15.00	GO 25g 75o		0.21		
		0.00	300 Feet GIP		0.00	2	
	Total Length	n: 135	.00 ft Total Volume:	1.894 bbl			
	Num Fluid S	amoles: 0	Num Gas Bombs:	0	Serial #	:	
	Laboratory		Laboratory Location:				
			1:42 @ 100 Degrees F = 38				

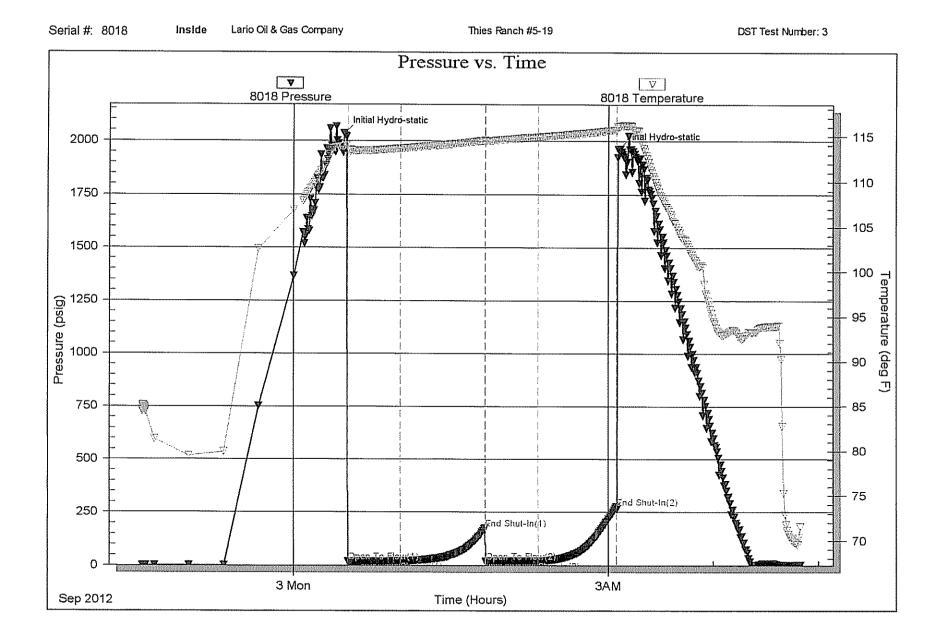


Ref. No: 50064

Printed: 2012.09.02 @ 23:02:23

RILOBITE	DRILL STEM TES	T REP	ORT				
	Lario Oil & Gas Company		19-1	4S-31V	-Gove K	5	
ESTING , INC	301 S Market Witchita KS, 67202			s Rano īcket: 50	ch #5-19	DST#: 3	
	ATTN: Brad Rine				12.09.02 @		
GENERAL INFORMATION:	······································						
Formation: LKC 'K' Deviated: No Whipstock: Time Tool Opened: 00:30:50 Time Test Ended: 04:49:30	ft (KB)		Test ⁻ Teste Unit N	er: (Conventional Chuck Smith 52	Bottom Hok	e (Reset)
Interval:4044.00 ft (KB) To407Total Depth:4074.00 ft (KB) (TVIHole Diameter:7.88 inchesHole	D)		Refer		vations: o GR/CF:	2760.00 2751.00 9.00	ft (CF)
Serial #: 8018 Inside Press@RunDepth: 20.45 psig @ Start Date: 2012.09.02 Start Time: 22:33:01 TEST COMMENT: 1/4" Blow died @ No return.	End Date: End Time:	2012.09.03 04:49:30	Capacity: Last Calib. Time On Bt Time Off B	tm: 2	2 2012.09.03 @ 2012.09.03 @	-	psig
No blow . No return. Pressure vs. Tir		[PRI	SSUR			***
Distribution Di	Temperature 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Time (Min.) 0 2 32 81 81 111 156 157	Pressure (psig) 2032.37 18.99 20.15 175.11 18.84 20.45 274.73	Temp (deg F) 113.85 112.78 113.63 114.54 114.41 114.91 115.68	Annotation Initial Hydro Open To Flo Shut-In(1) End Shut-In Open To Flo	-static -static (w (1) (1) (1) ww (2) (2)	
Recovery					Rates		
Length (II) Description 1.00 100m	Volume (bbl) 0.01			Choke (ir	iches) Pressure	(psig) Gas	Rate (Mc/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 50065			Plata a de	2012.09.03 (D 00:45 00	

Lindo Ot & Gas Company 19-145-31W-Gove KS Diff Straked Witchila KS, 67202 Diff Straked Witchila KS, 67202 Diff Straked Job Ticket: 60065 DST#: 3 ATTN: Brad Rine Test Start: 2012.09.02 @ 22:33:00 ATTN: Brad Rine Test Start: 2012.09.02 @ 22:33:00 Mul Type: Solito Length: 90 biggl Outhion Type: Solito Length: 01 APE: Weekshift: deg API Weekshift: Mul Viele(Site) 90 biggl Outhion Type: Solito Length: 01 APE: Besteling: deg API Weekshift: Viscosity: 90 biggl Outhion Type: Besteling: 01 APE: Besteling: deg API Weekshift: Viscosity: 4500.00 pm Bitter Cake: 1.00 inches Besteling: psig Recovery Information Recovery Table Eescription Volume: 1.00 100m 0.014 bid Num Rhud Samples: 0 Num Gas Bondas: 0 Serial #: Laboratory Location: Serial #: Laboratory Kame: Recovery Comments:	(Dr.	RILOBITE	DRI	LL ST	EM TEST R	EPORT	*		FLUID SI	JMMARY
Witchila KS, 67202 Job Ticket: 50065 DST#: 3 ATTN: Brad Rine Test Start: 2012.09.02 @ 22:33:00 Mud and Cushion Information Image: Start: 2012.09.02 @ 22:33:00 Mud Type: Gel Chem Cushion Type: Mud Weight: 9.00 lb/gal Cushion Length: ft Mud Weight: 9.00 lb/gal Cushion Length: ft Mud Weight: 9.00 lb/gal Cushion Volume: bbl Water Loss: 7.99 in ³ Gas Cushion Type: Resistivity: Resistivity: ohmm Gas Cushion Pressure: psig Salinity: 4500.00 ppm Filter Cake: 1.00 inches Recovery Table Length Description I.00 100m 0.014 Total Length: 1.00 ft I.00 100m 0.014 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:	NH N			# & Gas Co	ompany		19-145-31	W-Gove KS		
Mud and Cushion Information Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 9.00 lb/gal Viscosity: 55.00 sec/qt Viscosity: 55.00 sec/qt Water Loss: 7.99 in ³ Gas Cushion Type: Bbl Resistivity: ohm.m Gas Cushion Pressure: psig Salinity: 4500.00 ppm Filter Cake: 1.00 inches Recovery Information Volume Length 1.00 100m 1.00 100m 0.014 0.014 bbl Num Fluid Samples: 0 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:		ESTING , INC.	Witchita KS, 67202				Job Ticket: 5	50065		
Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: ppm Viscosity: 55.00 sec/qt Cushion Volume: bbl bbl Water Loss: 7.99 in ³ Gas Cushion Type: resistivity: ohmm Gas Cushion Type: Resistivity: ohmm Gas Cushion Pressure: psig salinity: 4500.00 ppm Filter Cake: 1.00 inches recovery Table recovery Table recovery Table Image: Caushion Type: Length Description Volume Volume 1.00 100m 0.014 0.014 recovery Table Image: Caushion Type: Total Length: 1.00 ft Total Volume: 0.014 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Serial #:				27001010						
Recovery Table Length Description Volume ft 0.014 0.014 1.00 100m 0.014 Total Length: 1.00 ft Total Volume: 0.014 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Volume:	Mud Type: Mud Weight: Viscosity: Water Loss: Resistivity: Salinity:	Gel Chem 9.00 lb/gal 55.00 sec/qt 7.99 in ^a ohm.m 4500.00 ppm		Cu Cu Ga	ishion Length: Ishion Volume: Is Cushion Type:		bbl		:	
Length ft Description Volume bbl 1.00 100m 0.014 Total Length: 1.00 ft Total Volume: 0.014 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Laboratory	Recovery	Information		D	anna Tabla					
Total Length: 1.00 ft Total Volume: 0.014 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:			h							
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location:							0.014			
		Laboratory Nam	ne:				Serial #:			

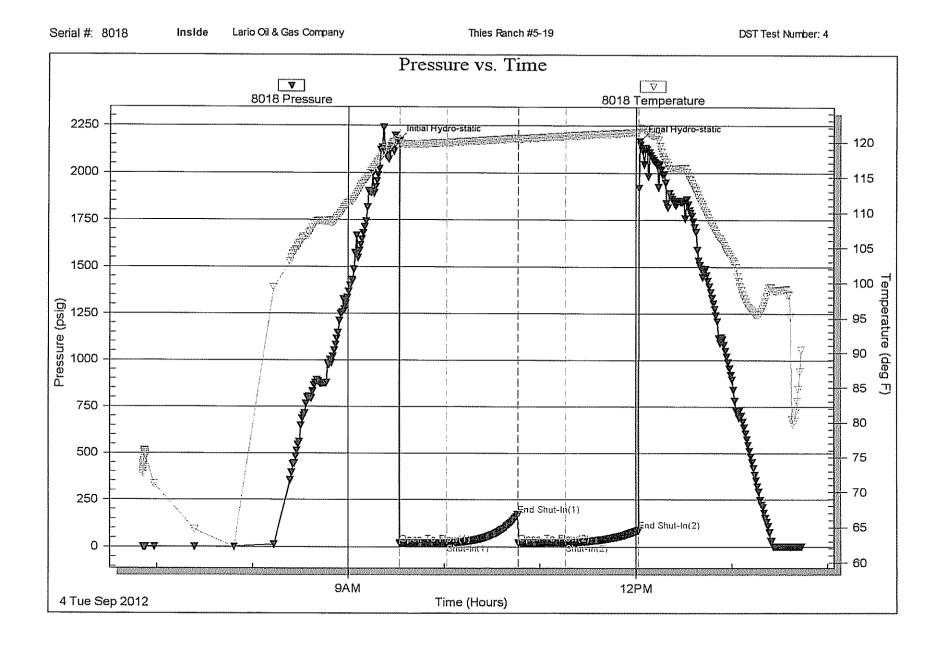


Ref. No: 50065

Printed: 2012.09.03 @ 06:45:35

RILOBITE	DRILL STEM TES	T REP	ORT	******	· •		
	Lario Oil & Gas Company		19-14S-31W-Gove KS				
ESTING , INC	301 S Market Witchita KS, 67202		Thies Ranch #5-19 Job Ticket: 50066 DST#:4				
	ATTN: Brad Rine				012.09.04 @ 06:51:		
GENERAL INFORMATION:							
Formation: Ft. Scott Deviated: No Whipstock: Time Tool Opened: 09:32:00 Time Test Ended: 13:43:39	ft (KB)		Tes Tes Unit	ter:	Conventional Bottor Chuck Smith 62	n Hole (Resel)	
nterval: 4277.00 ft (KB) To 4 Fotal Depth: 4306.00 ft (KB) (* Hole Diameter: 7.88 inches Ho			Ref	erence Be KB t	275	0.00 ft (KB) 1.00 ft (CF) 9.00 ft	
Serial #: 8018 Inside Press@RunDepth: 20.43 psig Start Date: 2012.09.04 Start Time: 06:51:01 FEST COMMENT: Weak blow died No return. No blow .	End Date: End Time:	2012.09.04 13:43:40	Capacity Last Calil Time On Time Off	b.: Blm: :	800 2012.0 2012.09,04 @ 09:36 2012.09.04 @ 12:0	0:50	
No return. Pressure vs.	Tim	1					
Ifessure vs.		PRESSURE SUMMARY Time Pressure Temp Annotation					
200 100 100 100 100 100 100 100	12 12 12 12 12 12 12 12 12 12 12 12 12 1	(Min.) 0 2 31 76 76 106 151 152	(psig) 2165.89 18.08 19.54 171.82 19.62 20.43 87.23 2165.71		Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2)		
Recovery	•		Ga	s Rates			
Length (ft) Description	Volume (bbl) 0.03			Choke (in	nches) Pressure (psig)	Gas Rate (Mcl/d)	
2.00 OSM 100m							

RILOBITE	DRILL STEM TEST REPOR	T FLUID SUMMARY
	Lario Oil & Gas Company	19-14S-31W-Gove KS
ESTING , INC	301 S Market Witchita KS, 67202 ATTN: Brad Rine	Thies Ranch #5-19 Job Ticket: 50066 DST#: 4 Test Start: 2012.09.04 @ 06:51:00
Mud and Cushion Information		
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 60.00 sec/qt Water Loss: 7.98 in ³ Resistivity: ohm.m Salinity: 6200.00 ppm Filter Cake: 1.00 inches	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	Oil API: deg API ft Water Salinity: ppm bbl psig
Recovery Information	D T H	
Len	th Description	Volume
ft		0.028
Total Length:	2.00 ft Total Volume: 0.028 bb1	0.020
Num Fluid Sam Laboratory Na Recovery Com	me: Laboratory Location:	Serial #:

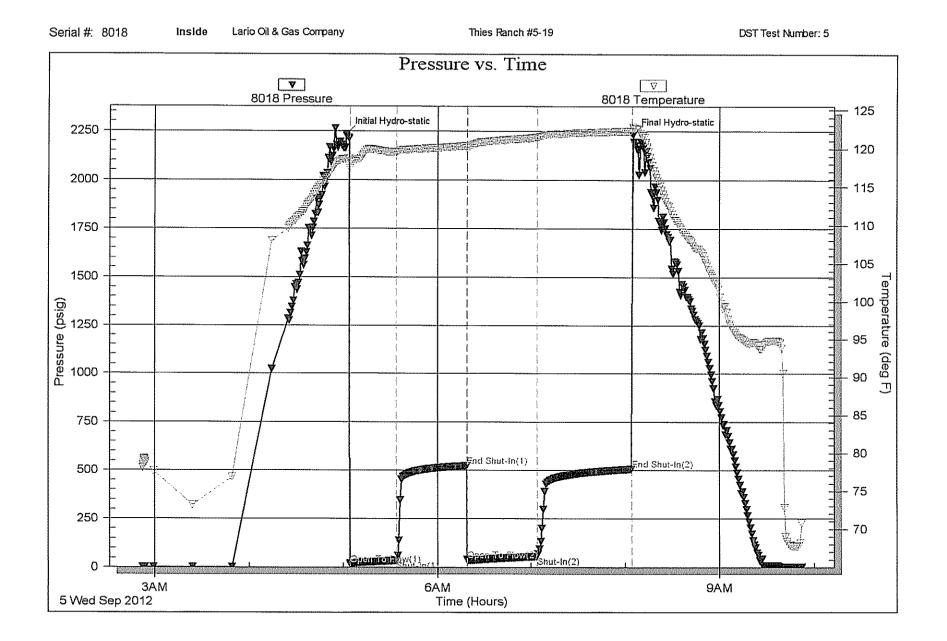


Ref. No: 50066

Printed: 2012.09.04 @ 15:23:29

Test No. 64 Company The stanch #5-19 Job Toket: 50067 Job Toket: 50067 DST#: 5 ATTN: Brad Rine Test Start: 2012.09.05 @ 02:52:00 SENERAL INFORMATION: True Brad Rine Formation: Johnson Devided: No. Whipstock: ft (KB) Time Test Ended: 09:52:09 Unit No: 62 Interval: 4350.00 ft (KB) To. A00.00 ft (KB) To. 4400.00 ft (KB) (TVD) Iotal Depth: 58.65 psig Vib Charles 2012.09.05 Start Date: 2012.09.05 Start Date: 2012.09.05 Dist Time: 02:52:01 Est Toom Memory Bit Start 2012.09.05 @ 08:01:50 Time: 02:52:01 Est Toom Memory Bit Time: 02:52:01 End Time:	RILOBITE	DRILL STEM TEST REPOR							
Wichta KS, 67202 Jub Totkel: 50067 DST#: 5 ATTN: Brad Rine Test Start: 2012.09.05 @ 02:52:00 DST#: 5 Semation: Johnson Seviated: No Whipstock: It (KB) Time Tool Opencie: 50:04:00 Test Type: Conventional Bottom Hole (Reset Treater: Chuck Smith Unit No: 62 Capacity: 2760.00 ft (KB) Time Tool Opencie: 50:04:00 Test Frame 2760.00 ft (KB) Time Tool Opencie: 2012.09.05 Bot Totel: 2012.09.05 Serial #: 8018 Inside Capacity: 8000.00 psig Sart Tale: 2012.09.05 Bot Totel: 2012.09.05 Shart Tale: 2012.09.05 Bot Totel: 2012.09.05 Shart Tale: 2012.09.05 Bot Totel: 2012.09.05 Shart Tale: 2012.09.05 Bot Totel: 2012.09.05 Time Off Bury 2012.09.05 Bot Shuth(1) Time Off Bury Time Off Bury 2012.09.05 Bot Shuth(1) 114! Hydro-stailc Time Off Bury 202.32.01 Time Tor Topward Frage Topward Time Off Bury 20.08 12.24 Shuth(1) Time Off Bury 20.32 12.46 Shuth(1) Time Off Bury 20.38 12.24 Shuth(Lario Oil & Gas Company		19-	19-14S-31W-Gove KS				
ATTN: Brad Rine Test Start: 2012.09.05 @ 02:52:00 ENERAL INFORMATION: Formation: Johnson Deviated: No Whipstock: ft (KB) Firme Tool Opened: 05:04:00 Test Type: Conventional Boltom Hole (Reset Firme Tool Opened: 05:04:00 Tester: Chuck Smith Test Ended: 05:52:09 Unit No: 62 Interval: 4350.00 ft (KB) To 4400.00 ft (KB) (TVD) Fire Tool Opened: 05:52:01 Tester: 2012.09.05 End Date: 2012.09.05 Start Time: 02:52:01 End Time: 02:52:01 Time Off Birr: 2012.09.05 @ 06:01:50 Time Off Birr: 2012.09	ESTING, INC.	our o marner						-#. E	
Sormation: Johnson Deviated: No Wipstock: ft (KB) Time Tool Opened: 05:04:00 Test: Type: Conventional Bottom Hole (Reset Tester: Imme Tool Opened: 05:04:00 Test: Type: Conventional Bottom Hole (Reset Tester: Imme Tool Opened: 05:04:00 Test: Type: Conventional Bottom Hole (Reset Tester: Imme Tool Opened: 05:04:00 ft (KB) To 4400.00 ft (KB) (TVD) Fold Depin: 4400.00 ft (KB) (TVD) Reference Elevations: 2760.00 ft (KB) Serial #: 8013 Inside Start Date: 2012.09.05 East Calb.: 2012.09.05 @ 05:01:50 Start Time: 02:52:01 End Time: 09:52:10 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05 @ 05:01:50 Time Of Blm: 2012.09.05		ATTN: Brad Rine							
Aevialed: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Resel Tester: Ime Test Ended: 09:52:09 Test Type: Conventional Bottom Hole (Resel Tester: Chuck Smith Interval: 4300.00 ft (KB) (TVD) Reference Elevations: 2760.00 ft (KB) olal Depth: 4400.00 ft (KB) (TVD) Reference Elevations: 2760.00 ft (KB) serial #: 2012.09.05 End Date: 2012.09.05 Last Callb :: 2012.09.05 @ 05:01:50 Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: 2012.09.05 @ 05:01:50 EST COMMENT: 114" Blow. No return. No return. Time PRESSURE SUMMARY Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: 114" Blow. No return. No return. Time 2012.09.05 @ 05:01:50 Time Or Blm: 114" Blow. No return. Time PRESSURE SUMMARY Time Or Blm: 2012.09.05 @ 05:01:50 Time Or Blm: Initial Hydro-static Time Or Blm: 2012.09.05 @ 05:01:50 Tim	JENERAL INFORMATION:	- · · · · · · · · · · · · · · · · · · ·							
Detail Depth: 4400.00 ft (KB) (TVD) 2751.00 ft (CP) Note Clameter: 7.88 inchesHole Condition: Good KB to GR/CF: 9.00 ft Serial #: 8018 Inside 2012.09.05 End Date: 2012.09.05 B000.00 psig Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05 @ 08:04:30 TEST COMMENT: 1 1/4" Blow. No return. No return. Time Off Bim 2012.09.05 @ 08:04:30 PRESSURE SUMMARY Total #: 2012.09.05 @ 08:04:30 TEST COMMENT: 1 1/4" Blow. No return. No return. Time PRESSURE SUMMARY Term (Mn.) Official #: 2012.09.05 @ 08:04:30 Term Off Bim 2012.09.05 @ 08:04:30 Time Off Bim 2032 Time Off Bim 2032	Deviated: No Whipstock: Time Tool Opened: 05:04:00	ft (KB)		Test	ter: (Chuck S		Hole (Reset)	
Press@RunDepth: 55.85 psig @ 4354.00 ft (KB) Capacity: 8000.00 psig Start Date: 2012.09.05 End Date: 2012.09.05 Last Calib.: 2012.09.05 @ 05:01:50 Start Time: 02:52:01 End Time: 09:52:10 Time On Bitrs 2012.09.05 @ 06:04:30 TEST COMMENT: 1 1/4" Blow . No return. No return. 1" Blow. No return. PRESSURE SUMMARY Time Image: Source and the second and t	fotal Depth: 4400.00 ft (KB) (TV	/D)		Refe			2751	.00 ft (CF)	
No return. 1" Blow. No return. 1" Blow. 10 2233.23 117.36 Open To Flow(1) 118.64 119.52 Shut-In(1) Open To Flow(2) 122.55.85 122.46 Shut-In(2) 123.525 122.73 Final Hydro-static 100 122.73 Final Hydro-static 122.73 Final Hydro-static 123.73 Final Hydro-s	ress@RunDepth: 55.85 psig itart Date: 2012.09.05 itart Time: 02:52:01	End Date:		Last Calib Time On B	o.: Blm: 2		2012.09. 05 @ 05:01:	.05 :50	
Implement Implement Implement Implement Implement Annotation Implement	No return. 1" Blow .								
Image: Construction of the second of the						E SUN	MARY		
Length (fi) Description Volume (bbl) Choixe (inches) Pressure (psig) Gas Rate (Mch 60.00 M 100m Oil spot in tool. 0.84 Gas Rate (Mch			(Min.) 0 32 77 77 122 183	(psig) 2233.23 17.33 35.28 522.83 36.99 55.85 505.35	(deg F) 118.64 117.36 119.52 120.34 120.08 121.46 122.25	Initial H Open T Shut-In End Sh Open T Shut-In End Sh	lydro-static Fo Flow (1) (1) nut-In(1) Fo Flow (2) (2) nut-In(2)		
60.00 M 100m Oil spot in tool. 0.84	Recovery		Gas Rates						
				<u></u>	Choiæ (in	nches) Pr	ressure (psig)	Gas Rate (Mcl/d)	
Recovery from multiple tests	Recurv from million tests								

		RILL STEM TEST	REPORT	-		FLUID SU	MMARY
RILOBITE		Oil & Gas Company	······································	19-145-31	W-Gove KS		
		301 S Market Witchita KS, 67202		Thies Ranch #5-19			
	ATT	N: Brad Rine		Job Ticket: 5 Test Start: 2	2012.09.05 @ 02	DST#: 5 2:52:00	
Mud and Cushion Info	rmation	· · · · · · · · · · · · · · · · · · ·					
Mud Type: Gel Chem		Cushion Type:			Oil API:	c	eg API
Mud Weight: 10.00 lb		Cushion Length:			Water Salinity:		pm
Viscosity: 62.00 s		Cushion Volume:		bbl			
Water Loss: 9.58 in Resistivity: ol	hmm	Gas Cushion Type: Gas Cushion Pressur	0 '	neia			
Salinity: 7000.00 pj			с.	psig			
Filter Cake: 1.00 in							
Recovery Information							
r		Recovery Table			1		
	Length ft	Description		Volume bbl			
	60.00	M 100m Oil spot in tool.		0,842			
	15.00	OSM 100m		0.210	1		
Tola	al Length:	75.00 ft Total Volume:	1.052 bbl				
Lab	n Fluid Samples: 0 oratory Name: overy Comments:	Num Gas Bombs: Laboratory Locatio	0 on:	Serial #:	:		



Ref. No: 50067

Printed: 2012.09.05 @ 10:16:45