KOLAR Document ID: 1402086

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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.:
Name:	Spot Description:
Address 1:	SecTwpS. R East West
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: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
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 EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	County: Permit #:
Troompeton bate	Ι ΟΠΙΙΚ π

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 Drill Stem Tests Received							
Geologist Report / Mud Logs Received							
UIC Distribution							
ALT I II Approved by: Date:							

KOLAR Document ID: 1402086

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	ZIEGLER TRUST 5-31
Doc ID	1402086

Tops

Name	Тор	Datum
Heebner	3954	-985
Lansing	3990	-1021
Stark Shale	4227	-1258
Hushpuckney	4264	-1295
Base KC	4300	-1331
Marmaton	4346	-1377
Pawnee	4436	-1467
Ft. Scott	4464	-1495
Johnson	4560	-1591
Morrow	4580	-1611
Basal Penn Sand	4614	-1645
Mississippian	4634	-1665
Spergen	4692	-1723

Form	ACO1 - Well Completion
Operator	Lario Oil & Gas Company
Well Name	ZIEGLER TRUST 5-31
Doc ID	1402086

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	329	Class A	150	60/40, 3% cc, 2% gel
Production	7.875	5.5	15.5	4723	AA2	150	5% Fluid Loss, 3% Friction Reducer, 2% Defoamer, 10% Salt, 5 Lb/Sk Gilsonite, 14.8 ppg



PRESSURE PUMPING LLC

REMIT TO

QES Pressure Pumping LLC Dept:970 P.O.Box 4346 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884 Chanute, KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

Invoice

Invoice#

812007

Invoice Date: 12/12/17

Terms:

Net 30

Page

LARIO OIL & GAS

P.O. BOX 1093

GARDEN CITY KS 67846

USA

3162655611

Ziegler Trust 5-31

APPROVED DEC 15 2017

7	A
	- 1

Part No	Description	Quantity	Unit Price Di	scount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	30.000	805.00
CE0002	Equipment Mileage Charge - Heavy Equipment	10.000	7.1500	30.000	50.05
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	30.000	462.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	250.000	23.0000	30.000	4,025.00
			s	ubtotal	7,631.50
			Discounted A	mount	2,289.45
			SubTotal After Di	scount	5,342.05
			Amount Due	8.120.25 If paid	d after 01/11/18

Tax:

342.13

Total:

5,684.18

				OK TO PA	4Y
Acct	Expl	FILE			
GÇ					
KG					
	ัก	EC 1	ſ	2017	DB
	U	LU	•	11.	3
- DV					
	JS	KE	13	B I SE	DM
00 i					1



PRESSURE PUMPING LLC
O Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

9000

LOCATION Oakley 65

FOREMAN WAS S

FIELD TICKET & TREATMENT REPORT

mvoice#812007

620-431-92	210 or 800-467-867	6	CEMENT		oluat 8 1200 1 ₀₁₃			
DATE	CUSTOMER#	WELL	NAME & N		SECTION	TOWNSHIP	RANGE	COUNTY
2-10-17	4793	Zegler 7	rust S	T-3/	3/	125	3/6	Gove
USTOMER	11.7			Ochlorus				
ALING ADDR	1+ Gas			S tock	TRUCK#	DRIVER	TRUCK#	DRIVER
DA DAV	ing2			Senech 29LE	753	11.2/4 C. 0		
HY WAY	IV IZ	STATE	ZIP CODE	NIS	566	1/4005 4		
(120ACA)	a CitU	KS	6184	7				
OB TYPE Su	whoch	HOLE SIZE /2	1/4"	Z HOLE DEPTI	н 330′	CASING SIZE P	U WEIGHT_ <i>&\st</i>	" 24#
ASING DEPTH		DRILL PIPE		TUBING	n	CMSING SIZE &	OTHER	
URRY WEIGH	·	SLURRY VOL	30	WATER gal/s		CEMENT LEFT II	Õ	Ð''
SPLACEMEN	1 64 27 1	DISPLACEMENT		MIX PSI		RATE	TOASING	
		. 1	G 10 11 1	_ 0 1/	uzd delli	140	Circulate	/
n w 257		in blend II	Class		W 33 Calco	56	or carer	15416
Jater C	hut in Cx	by frame	، ے	Trylote	CLK 40	nit		
		· •		•		,		
					•	/		
***************************************						<u> </u>	5 Milst	(rew
ACCOUNT							1	
ACCOUNT CODE	QUANITY	or UNITS		DESCRIPTION of	f SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
	QUANITY	/	PUMP CHA		f SERVICES or PR	ODUCT	UNIT PRICE	* TOTAL
	QUANITY	/			f SERVICES or PR	ODUCT	·	1/50,00 71.50
CODE -E0471.	QUANITY	/	PUMP CHA MILEAGE				115000	1/50,00 71,50
E07/1 E07/1	- - - - - -	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela			115000 7,15 660,00	1/50,00 71.50 660,00
E07/1,	- - - - - -	/ /0	PUMP CHA MILEAGE	rge Vilsage dela			1150 au 7,15	1/50,00 71,50
CODE -E0471, -E002.	- - - - - -	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela			115000 7,15 660,00	1/50,00 71.50 660,00
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela			115000 7,15 660,00	1/50,00 71.50 660,00
CODE -E0471, -E002.	- - - - - -	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela			115000 7,15 660,00	1/50,00 71.50 660,00
E07/1 E07/1	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela			115000 7,15 660,00 23.00	1/50,00 71,50 660,00 5750,44
CODE -E0471.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela	veri mi	7	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela	veri mi		115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
E07/1 E07/1	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela	veri mi	7	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE	rge Vilsage dela	veri mi	7	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
E07/1 E07/1	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	rge Vilsage dela	/ve-vi M/i	55 305d	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
E07/1,	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	RGE Nilsage dela e hland	/ve-vi M/v //v	7	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
E07/1 E07/1	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	RGE Nilsage dela e hisend	/ve-vi M/i	55 305d	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
E07/1 E07/1	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	RGE Nilsage dela Accil 1 GC	/we-vi Min	SS 30/50/	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	RGE Nilsago dela se hirad	/we-vi Min	55 305d	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 660,00 5750,4 7631.50
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	Acci Ac	/we-vi Min	SS 30/50/	115000 7,15 660,00 23,00 SubbM	1/50,00 71,50 640,00 5750,00 7431.50 2289.45 5342,0
CODE -E.0471, -E002, -E07/1, -(587/	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	Acci I	/we-vi Min	SS 30/50/	1150 COU 7,15 GEO, CO 23. CO Subbill Subbill Subbill Subbill Subbill	1/50,00 71,50 640,00 5750,00 7631.50 2289.45 5342.0
CODE -E0471, -E002.	//.7 252	1 10 5 Tow	PUMP CHA MILEAGE Ton M Sur fe	Acci Ac	DFC 1 S 2	5.5 30/60/2	115000 7,15 660,00 23.00 Subbill Subbill	1/50,00 71.50 660,00 5750,4 7631.50

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.



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1002301	1718	12/27/2017
	INVOICE	NUMBER	

92600336

Pratt

(620) 672-1201

B LARIO OIL & GAS PO Box: 1093 GARDEN CITY KS US

O ATTN:

67846

ACCOUNTS PAYABLE

LEASE NAME

О LOCATION COUNTY

S STATE

Ε

JOB DESCRIPTION T

JOB CONTACT

Ziegler Trust

DRILLING

Gove KS

AFE 17-156

Cement-New Well Casing/Pi

						F I J
JOB #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
41077858	19919				Net - 30 days	01/26/2018
			QTY	U of	UNIT PRICE	INVOICE AMOUNT
For Service Date	es: 12/20/2017 to	12/20/2017		**		
0041077858						
171815536L Cen Cement Productio	nent-New Well Casing/l n Casing	Pi 12/20/2017 Z	BB			
AA2 Cement		4 1 2018	150.00	ĒΑ	8.19	1,228.50
A-Con' Blend			380.00		8.37	3,180.60
Calcium Chloride			1,074.00		0.47	504.78
Celloflake			95.00		1.67	158.65
Gypsum			705.00		0.34	239.70
C-15			85.00		5.63	478.55
Salt			830.00	EA	0.23	190.90
C-41P			36.00	EA	1.80	64.80
Gilsonite			750.00	EA	0.30	225.00
"Two Stage Ceme	ent Collar, 5 1/2"" (Blu	16)	1.00	EA	3,375.00	3,375.
· ·	hoe 5 1/2"" (Blue)"		1.00	EA	270.00	270.
"Turbolizer, 5 1/2	."" (Blue)"		12.00	. EA	82.50	990.
"5 1/2"" Basket	(Blue)"		1.00	EA	217.50	217.
Super Flush II			500.00	EA	0.69	345.00
"Unit Mileage Cho	(PU, cars one way)"		100.00	MI	2.03	203.
Heavy Equipment	Mileage		300.00	MI	3.38	1,014.
Proppant & Bulk I	Del. Chgs., per ton mil		2,495.00	EA	1.13	2,819.
Blending & Mixing	Service Charge		530.00	BAG	0.63	333.
Plug Container Ut	il. Chg.		1.00	EA	112.50	112.
Cement Data Acq			1.00	EA	247.50	247.
Additional Stage (Charge		1.00	EA	972.00	972.
Depth Charge; 40	01'-5000'		1.00	EA	1,134.00	1,134.
"Service Superviso	or, first 8 hrs on loc.		1.00	EA	78.75	78.7

		THE PARTY OF THE P				

PO BOX 841903 DALLAS, TX 75284-1903

BASIC ENERGY SERVICES, LP
PO BOX 841903
DALLAS, TX 75284-1903
BASIC ENERGY SERVICES, LP
801 CHERRY ST, STE 2100
FORT WORTH, TX 76102

SUB TOTAL TAX

18,383.98 562.40

INVOICE TOTAL

18,946.38



Liberal Yard #1⁻⁻⁻ - Phone 620-624-2277 - 1700 S. Country Es....es Road, Liberal KS 67901

Job Log

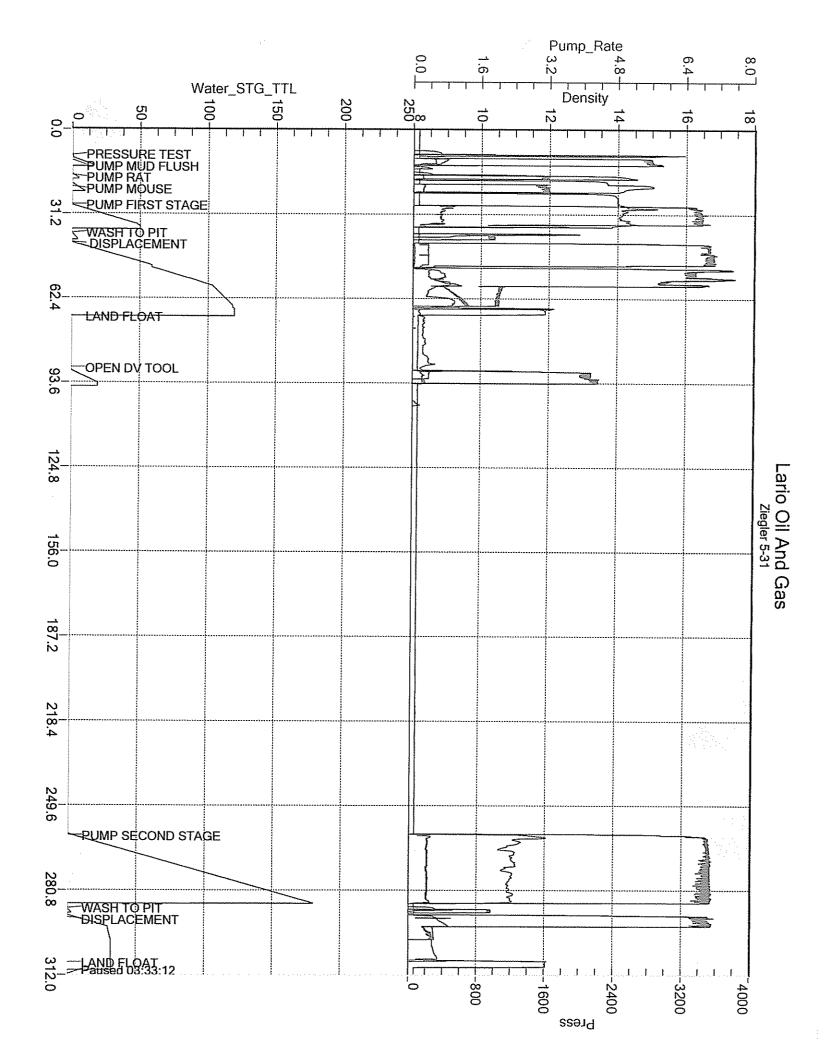
					 	<u> </u>		7	T	
Customer	Larion Oil & Gas			Cement Pump No.	38117, 19	38117, 19919 18Hrs.		Operator TRK No.: 78938		
Address				Ticket #	: 1718	1718 15536 L		14355, 37724 Manuel	70897, 19808 Santiago	
City, State, Zip	•				Job Type		Z42 - Cem	ent Production	n Casing	
Service District	17	1718 - Liberal, Ks.			Well Type	:		OIL		
Well Name and No.	Zie	egler Trust 5-3	31		Well Location	31,12,3	County:	Gover	State:	Ks
Туре	of Cmt	Sacks			Additives			Truck Loa	aded On	
AA2 C	Gement	150	5% V	V-60, 10	0% Salt, .6% C-15, Gillsonite	1/4# Defoamer, 5#	14355, 37	724 Manuel	Front	Back
A-Con	' Blend	330		3% C	alcium Chloride, 1/-	1# Polyflake	70897, 198	08 Santiago	Front	Back
A-Con	' Blend	50		3% C	alcium Chloride, 1/-	1# Polyflake	14355, 37	724 Manuel	Front	Back
	/Tail:	Weight #1 Gal.	Cu/	Ft/sk	Water Re	quirements	CU. FT.	Man	Hours / Persor	nnel
	1 1:	14.8	1	.51	6.	64	226.5	TT Man Hours:	72	
Tai	l 2:	11.4	2	.95	11	8.1	973.5	# of Men on Job;	4	
Time		Volume	Pt	ımps	Pres	sure(PSI)	_ D	escription of Oper	ation and Materia	s
(am/pm)	(ВРМ)	(BBLS)	Т	С	Tubing	Casing				
18:00				<u> </u>				ON LOC	ATION	
18:15								SAFETY N	EETING	
6:30 PM			ļ			.		RIG	UP	· · · · · · · · · · · · · · · · · · ·
10:15 PM						·		RIG UP TO C	IRCULATE	
10:20 PM				<u> </u>				RIG UP PUN	IP TRUCK	
10:21						3100		PRESSUF	RE TEST	
22:22		11.9					PUMP MUD FLUSH			
10:25 PM				ļ			PUMP RAT AND MOUSE 50SX		(
22:39	6.6	40.3 slurry			ļ	410	PUMP FIRST STAGE 150SX			
22:47							SHU	T DOWN / DR	OP PLUG / W	.P.
22:54	6.9	10				180		DISPLACE / I	PUMP H2O	
	6.8	20				180			i viid	
	7	30				180			uns mun udm	
	7	40 -		i de la composición della comp		180				
	7	51.9				180				
	7.1	60				180		PUMP	MUD	
	6.6	70)EC	2 7 ZUT1	180		***************************************		
	6.7	80				180				
	6	90	1,111,000			280				
	6.6	100				540				
23:09	6.6	102				560	SLC	OW RATE 2.0	380PS	1
	2	110				510				
11:18	2	112	·			570	LAND PL	.UG / PRESSL	JRE UP TO 15	50PSI
Size Hole	7 7/8"	Depth				····	TYPE		lug Container	
Size & Wt. Csg.	5 1/2 15.5#	Depth	47	23'	New / Used		DV Tool	YES	Depth	2523'
1ST Land Press.	454.4psi	Depth			2ND Land Pres	401.6psi	Retainer		Depth	
Shoe Jt.	17'	Туре					Perfs	ı	CIBP	
						Basic Represe	ntative:	Aŋ	gęl Echevarria	
Customer Sig	nature:					Basic Signatur	e:			_
						Date of Service	e:	12/20/2017		



Liberal Yard #1 - Phone 620-624-2277 - 1700 S. Country Escaes Road, Liberal KS 67901

PRESSURE PUMPING Job Log

Customer	Larion Oil & Gas			Cement Pump No	38117, 1	38117, 19919 18Hrs.		Operator TRK No.: 78938		
Address	:				Ticket #	1718	1718 15536 L		14355, 37724 Manuel	70897, 19808 Santiago
City, State, Zip	•				Job Type	**	Z42 - Cement Production Casing			
Service District	17	718 - Liberal K	s		Well Type	#		OIL		
Well Name and No.	Zio	egler Trust 5-3	1		Well Location	31,12,	31 County	Gover	State	Ks
Туре	of Cmt	Sacks			Additives			Truck Lo	aded On	
AA2 0	Cement	150	5% V	/-60, 1	D% Salt, .6% C-15, Gillsonite	1/4# Defoamer, 5	[#] 14355, 37	724 Manuel	Front	Back
A-Con	' Blend	330		3% C	alcium Chloride, 1/	4# Polyflake	70897, 19	808 Santiago	Front	Back
	' Blend	50		3% C	alcium Chloride, 1/	4# Polyflake	14355, 37	724 Manuel	Front	Back
<u></u>	/Tail:	Weight #1 Gai.		Ft/sk		quirements	CU. FT.	Man	Hours / Persor	nnel
	il 1:	14.8		51		.64	226.5	TT Man Hours:	72	
Tai	1 2:	11.4	2.	95	1	8.1	973.5	# of Men on Job;	4	
Time		Volume	***********	mps		sure(PSI)		Description of Oper	ation and Maleria	ls
(am/pm)	(BPM)	(BBLS)	Ţ	С	Tubing	Casing				
23:21								BACK LATO		UG HELD
23:26				ļ			*****	DROPPED OP		
11:41 PM							<u> </u>	OPEN DV TOC		
11:55 PM		4.50.0			<u> </u>			IRCULATE / E		·····
2:30 AM	6.9	173.3 slurry				250		JMP SECOND		······································
3:01		40				0.50	J SHU	IT DOWN / DR		<u>. Р.</u>
3:03	7	10 20				350		DISPL	ACE	
3:17		20				420	OLU 1	T DOWN DAN	OLIT OF 18783	T
						<u> </u>		T DOWN RAN G PUMPED 31		
	6.8							MINUTES AN	·	
·	0.0						1144	6.8 B	· -	<i>J</i>
3:23		***					1 AND	PLUG PRESS	***************************************	1600
3:25							RELEASE BACK — PLUG HELD			
								JOB COM		
						V-				
	· ·									
			.						TTO STATE OF THE S	
Size Hole	7 7/8"	Depth	I				TYPE	PI	ug Container	
Size & Wt. Csg.	5 1/2 15.5#	Depth	472	23'	New / Used		DV Tool	·		2523'
1ST Land Press.	454.4psi	Depth	******		2ND Land Pre.		Retainer	 	Depth	
Shoe Jt.	17'	Туре					Perfs		CIBP	
						Basic Repres	entative:		jel Echevarria	
Customer Sig	Customer Signature:					Basic Signatu		1	1/5/1 5	
						Date of Service: 12/20/2017				
						Date of Oct VIC	···	IEJZUZUII		



TT Man hours: 72



1700 S. Country Estates Raod Liberal, KS 67901 PH (620)-624-2277FAX (620) 624-2280

SERVICE ORDER - 1718 15536 L

		NERGY SE		PH (620)-624-2277FAX (620) 624-2280	Date:	12/20/17
State Stat	Well Name:			,	Location:	
20-yes 15 15 15 15 15 15 15 1	X	-31				
Customer's Order #:	•				RRC#:	
Column						
Address: As a conditioning, the above never the page of the tit they give the tit compt private in the condition of the cond			Dt		Customer's Order #:	
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As considerable, the shown named Customer agrees to pay flatic Energy Services in accord with the printer and them is closed in State Energy Services connect put a first. Sections are possible 1712 to 1815. 10.2 plate date of incident Lipon Customer's according by such date. Colorem agrees to pay from the many and the section of 1870, per service in the section is became receiving in employing of themselves the control of the section of		Address:				
CODE						
The confidence of an all control place. These lames unificated in a final process of the place where particles are processed on appropriate or an accordance of the place of t	As a consideration, the	above named Cus	tomer agrees to p	may Basic Energy Services in accord with the rates and terms stated in Basic Energy Services current price lists, invoices are payable	NET 30 (SEE 10.2) after date of invo	ice. Upon Customer's
CODE OTY UOM DESCRIPTION PRICE TOTAL Total	the collection costs and	distances account to distance foot. The	ry such date, Cu se terms and cor	storier agrees to pay interest thereon after default at 18% per armen, in the event it becomes necessary to employ an atterney to ent villions shall be governed by the laws of the state where services are performed or equipment or materials are furnished.	orce collection of sald account, Custo	mer agrees to pay all
CODE OTY UOM DESCRIPTION PRICE TOTAL Total	Basic Energy Services.	, warranta only title	to the products,	supplies and materials and that the same are free from defects in workmanship. THERE ARE NO WARRANTIES, EXPRESS OR IM	LIED, MERCHANTABILITY, FITNES	SFORA
CODE	PARTICULAR PURPO contract, fort, product li	SE OR OTHERWIS	SE WHICH EXTE	AD BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE, Basic Energy Services, Rabbity and Customer's e (sa) addition out of the sale of use of any executor, supplies or materials more likely ratum in Basic Energy Services, is expressfy limite	actuative remedy in any cause of action	n (whether in
1.1.05	or , at Basic Energy Se	rvices, option, to th	a allowanca to th	a Customer of credit for the cost of such tiems, in no event shall Basic Energy Services be liable for special, indirect, puritive or cons	equential damagns.	C and Common of the control
1.1.05						
1.1.05						
1.101 330 Six A-Con' Blend 18.60 6138.00 30.00						
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1074	CL 101					
Coliging 95	CC109			······································		
CC113	CC102	· · · · · · · · · · · · · · · · · · ·			}	
CC111	CC113					
C103	CC111				· · · · · · · · · · · · · · · · · · ·	
C2015 36	CC103					
F451	CC105	36	Lb	C-41P		}
First 1	CC201	750	Lb	Gilsonite	0,67	502.50
Tele51	CF451	1	Ea	Two Stage Cement Collar, 5 1/2" (Blue)	4500.00	4500.00
Fig. 1	CF1251		Ea	Auto Fill Float Shoe 5 1/2" (Blue)	360,00	360.00
CC155 S00 Gal Super Flush	CF1651					1320.00
Heavy Equipment Mileage 7.50 2250.00	CF1901				<u> </u>	290.00
1.40 742.00 742	 			·· • · · · · · · · · · · · · · · · · ·		765.00
113 2495 Tn/Mi	······································		\			
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246.00				· · · · · · · · · · · · · · · · · · ·		
Department Job Plug Container Utilization Charge 250.00						
100						
Book Total: \$36,499.45 Taxes: Disc. Price: \$18,383.98	E100		~~~~~~			· · · · · · · · · · · · · · · · · · ·
1 Ea Cement Data Acquisition Monitor / Strip Chart Recorder 550.00 550.00	S003					175.00
Taxes:	T105	1	Ea	Cement Data Acquisition Monitor / Strip Chart Recorder		550.00
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Taxes:					Book Total:	\$36 499 45
Disc, Price: \$18,383,98 VES NO UMP TRUCK NUMBER: 38117, 19919 THIS JOB WAS SATISFACTORILY COMPLETED OPERATION OF FOURIER THAS SATISFACTORY OPERATION OF FOURIER THAS SATISFACTORY						400,700.40
YES NO UMP TRUCK NUMBER: 38117, 19919 THIS JOB WAS SATISFACTORILY COMPLETED OREGINAL TIMES SATISFACTORY OREGINAL TIMES SATISFACTORY						\$18,383.98
UMP TRUCK NUMBER: 38117, 19919 THIS JOB WAS SATISFACTORILY COMPLETED						
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RIVER: Daniel Seck Performance of Personel was satisfactory \Box	7		****	ODEDATION OF FOUNDATION OF ATTERACTORY		
	DRIVER: D	uniel	Beck	PERFORMANCE OF PERSONEL WAS SATISFACTORY		

Customer Comments or Concerns:

CUSTOMER OR HIS AGENT



Lario Oil & Gas

31-12-31 Gove, Ks Ziegler Trust 5-31

301 S Market St Wichita, Ks 67202

Job Ticket: 64284

Tester:

Unit No:

Test Start: 2017.12.15 @ 04:17:55

ATTN: Steve Davis Te

GENERAL INFORMATION:

Formation: Lansing D

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 07:39:55
Time Test Ended: 12:37:25

Interval: 4076.00 ft (KB) To 4088.00 ft (KB) (TVD)

Total Depth: 4088.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2969.00 ft (KB)

Brandon Turley

2959.00 ft (CF)

DST#: 1

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press@RunDepth: 21.26 psig @ 4077.00 ft (KB) Capacity: 8000.00 psig

Time

 Start Date:
 2017.12.15
 End Date:
 2017.12.15
 Last Calib.:
 2017.12.15

 Start Time:
 04:18:00
 End Time:
 12:37:24
 Time On Btm:
 2017.12.15 @ 07:38:55

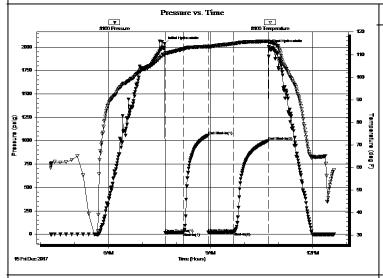
Time Off Btm: 2017.12.15 @ 10:42:25

TEST COMMENT: IF: Surface blow for 30 min.

IS: No return.

FF: Surface blow built to 1/8.

FS: No return.



(Min.)	(psig)	(deg F)	
0	2034.33	109.99	Initial Hydro-static
1	14.05	110.43	Open To Flow (1)
32	17.79	112.51	Shut-In(1)
77	1057.49	113.60	End Shut-In(1)
77	19.67	113.33	Open To Flow (2)
121	21.26	114.86	Shut-In(2)
182	998.35	115.91	End Shut-In(2)
184	2003.16	115.47	Final Hydro-static

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 5%o 95%m	0.28
		ļ

Gas Rates Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 64284 Printed: 2017.12.15 @ 13:22:53



Lario Oil & Gas

31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Job Ticket: 64284

Tester:

Unit No:

ATTN: Steve Davis

Test Start: 2017.12.15 @ 04:17:55

GENERAL INFORMATION:

Formation: Lansing D

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 07:39:55 Time Test Ended: 12:37:25

Interval: 4076.00 ft (KB) To 4088.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4088.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF:

KB to GR/CF: 10.00 ft

Brandon Turley

DST#: 1

2969.00 ft (KB)

2959.00 ft (CF)

Serial #: 6651 Inside

 Press@RunDepth:
 psig
 @
 4077.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.12.15 End Date: 2017.12.15 Last Calib.: 2017.12.15

Start Time: 04:17:57 End Time: 12:37:21 Time On Btm: Time Off Btm:

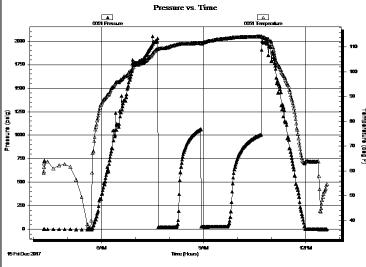
·

TEST COMMENT: IF: Surface blow for 30 min.

IS: No return.

FF: Surface blow built to 1/8.

FS: No return.



PRESSURE	SUMMARY
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	111200112 00111111111111111111111111111								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
_									
in di									
Temperature (deg F)									
(d									
J									

Recovery

Length (ft)	Description	Volume (bbl)
20.00	ocm 5%o 95%m	0.28

Gas Rates

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

Trilobite Testing, Inc Ref. No: 64284 Printed: 2017.12.15 @ 13:22:53



FLUID SUMMARY

Lario Oil & Gas 31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Job Ticket: 64284

Serial #:

DST#: 1

ATTN: Steve Davis

Test Start: 2017.12.15 @ 04:17:55

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

Water Loss: 6.40 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 1800.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	ocm 5%o 95%m	0.281

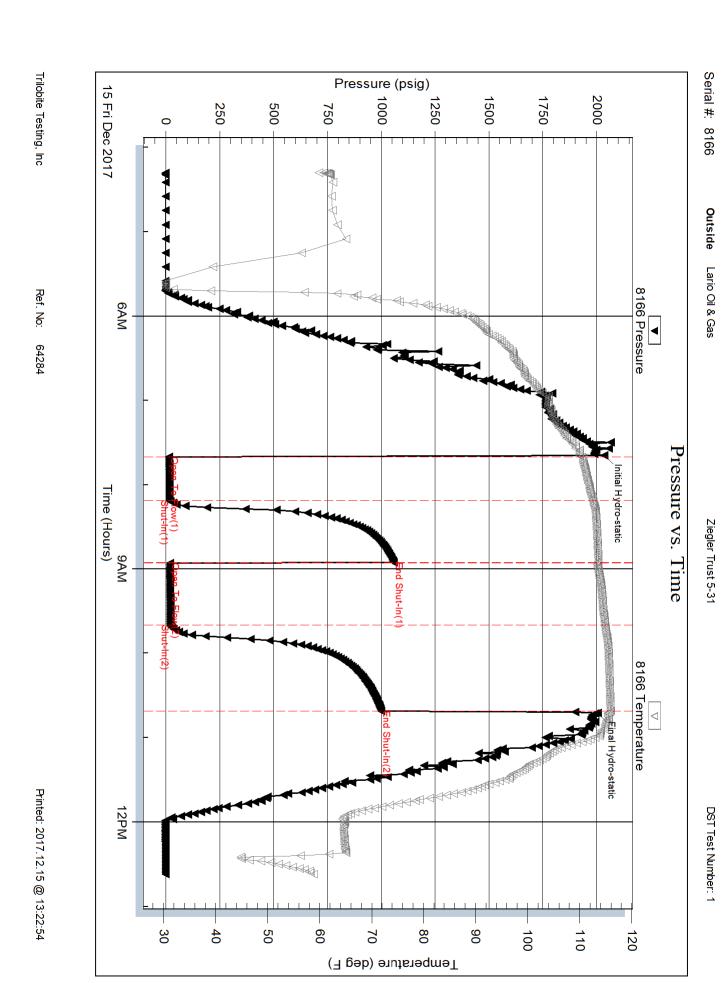
Total Length: 20.00 ft Total Volume: 0.281 bbl

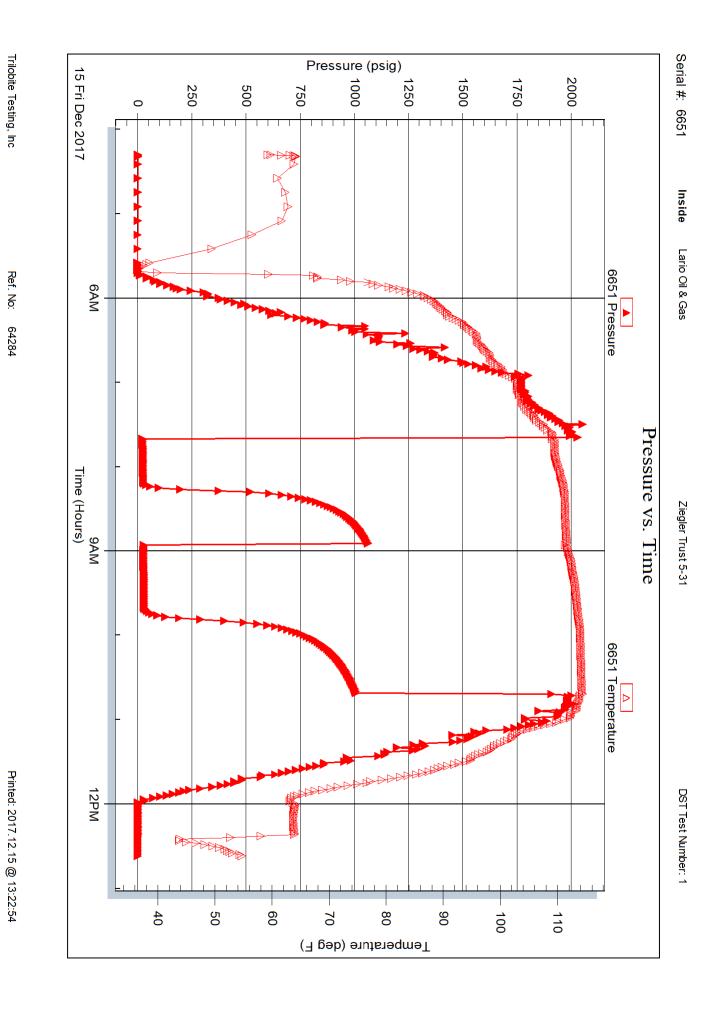
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 64284 Printed: 2017.12.15 @ 13:22:54







Lario Oil & Gas

31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Job Ticket: 64285

DST#: 2

ATTN: Steve Davis

Test Start: 2017.12.17 @ 09:30:05

GENERAL INFORMATION:

Formation: Johnson

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:51:35 Time Test Ended: 16:23:05

Interval: 4536.00 ft (KB) To 4590.00 ft (KB) (TVD)

Total Depth: 4590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations:

2969.00 ft (KB)

2959.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8166 Outside

Press@RunDepth: 17.73 psig @ 4537.00 ft (KB) Capacity: 8000.00 psig

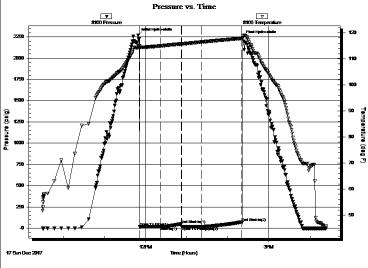
 Start Date:
 2017.12.17
 End Date:
 2017.12.17
 Last Calib.:
 2017.12.17

 Start Time:
 09:30:10
 End Time:
 16:23:04
 Time On Btm:
 2017.12.17 @ 11:49:35

Time Off Btm: 2017.12.17 @ 14:22:05

TEST COMMENT: IF: 1/4 blow died in 7 min.

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



	PRESSURE SUMMARY								
1	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2269.47	114.49	Initial Hydro-static					
	2	16.39	114.34	Open To Flow (1)					
	32	17.33	114.94	Shut-In(1)					
.	63	50.72	115.75	End Shut-In(1)					
	63	17.43	115.72	Open To Flow (2)					
	92	17.73	116.44	Shut-In(2)					
	151	73.60	117.87	End Shut-In(2)					
'	153	2239.31	118.62	Final Hydro-static					

Recovery

Length (ft)	Description	Volume (bbl)			
5.00	mud 100%m	0.07			
* Recovery from multiple tests					

Gas Rates		es	
	Choke (inches)	Pressure (nsig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 64285 Printed: 2017.12.17 @ 17:08:45



Lario Oil & Gas

31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Tester:

Unit No:

ATTN: Steve Davis

Job Ticket: 64285 **DST#:2**

Brandon Turley

2969.00 ft (KB)

2959.00 ft (CF)

Test Start: 2017.12.17 @ 09:30:05

GENERAL INFORMATION:

Formation: Johnson

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 11:51:35 Time Test Ended: 16:23:05

Interval:

4536.00 ft (KB) To 4590.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 4590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6651 Inside

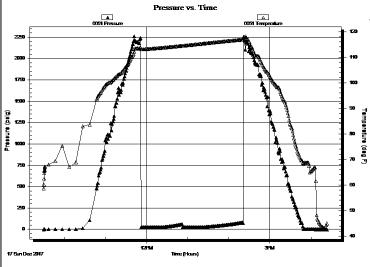
 Press@RunDepth:
 psig
 @
 4537.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.12.17 End Date: 2017.12.17 Last Calib.: 2017.12.17

Start Time: 09:30:11 End Time: 16:23:05 Time On Btm: Time Off Btm:

TEST COMMENT: IF: 1/4 blow died in 7 min.

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



Ы	RESSU	RE	SUMMARY	<u> </u>

•	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
ď				
Temperatura (dec F)				
9				

Recovery

Length (ft)	Description	Volume (bbl)		
5.00	mud 100%m	0.07		
* Recovery from multiple tests				

Gas Rates

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

Trilobite Testing, Inc Ref. No: 64285 Printed: 2017.12.17 @ 17:08:46



FLUID SUMMARY

Lario Oil & Gas 31-12-31 Gove, Ks

301 S Market St Ziegler Trust 5-31

Wichita, Ks 67202 Job Ticket: 64285 DST#: 2

ATTN: Steve Davis Test Start: 2017.12.17 @ 09:30:05

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API Water Salinity: 0 ppm

Mud Weight: Cushion Length: 9.00 lb/gal ft

Viscosity: 59.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 3000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.070

Total Volume: 0.070 bbl Total Length: 5.00 ft

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Printed: 2017.12.17 @ 17:08:46 Trilobite Testing, Inc Ref. No: 64285

80

Temperature (deg F)

90

70

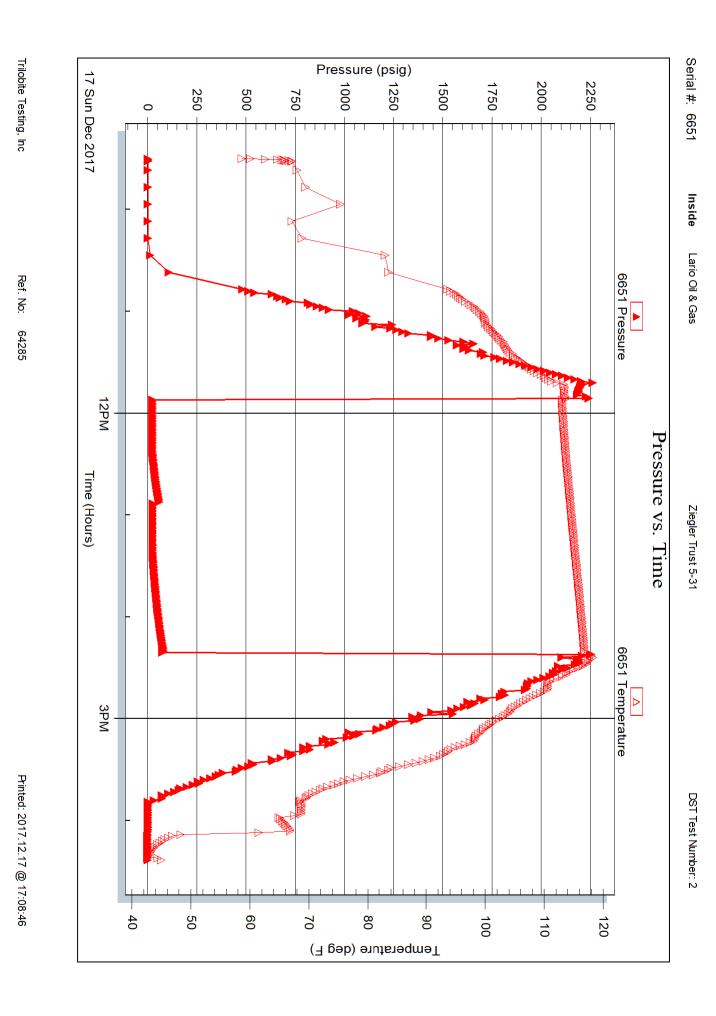
110

100

120

50

60





Lario Oil & Gas

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

31-12-31 Gove, Ks

Job Ticket: 64286

DST#: 3

ATTN: Steve Davis

Test Start: 2017.12.18 @ 01:10:39

GENERAL INFORMATION:

Formation: Basal Penn Sand

Deviated: Whipstock: ft (KB)

Time Tool Opened: 04:01:39 Time Test Ended: 10:31:39

Interval:

4576.00 ft (KB) To 4634.00 ft (KB) (TVD)

Total Depth: 4634.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset)

Tester: **Brandon Turley**

Unit No:

Reference Elevations:

2969.00 ft (KB)

2959.00 ft (CF)

KB to GR/CF: 10.00 ft

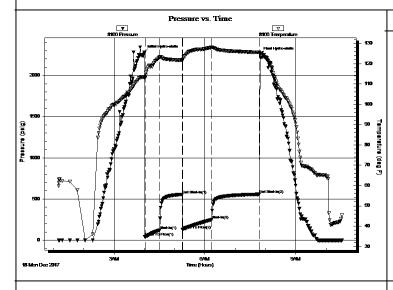
Serial #: 8166 Outside

Press@RunDepth: 4577.00 ft (KB) Capacity: 249.72 psig @ 8000.00 psig

Start Date: 2017.12.18 End Date: 2017.12.18 Last Calib.: 2017.12.18 Start Time: 01:10:44 End Time: 10:31:39 Time On Btm: 2017.12.18 @ 04:00:09 Time Off Btm: 2017.12.18 @ 07:49:09

TEST COMMENT: IF: BOB in 14 min.

IS: No return. FF: BOB in 22 min. FS: No return.



	Pl	RESSUR	RE SUMMARY
ne	Pressure	Temp	Annotation

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2276.64	113.34	Initial Hydro-static
2	43.99	112.95	Open To Flow (1)
30	123.05	123.12	Shut-In(1)
75	555.87	121.72	End Shut-In(1)
76	130.35	121.72	Open To Flow (2)
134	249.72	128.02	Shut-In(2)
228	557.49	125.54	End Shut-In(2)
229	2257.37	124.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)		
126.00	126.00 mcw 80%w 20%m			
189.00	wcm40%w 60%m	2.65		
199.00	wcm5%w 95%m	2.79		
* Recovery from multiple tests				

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Printed: 2017.12.18 @ 11:36:11 Trilobite Testing, Inc. Ref. No: 64286



Lario Oil & Gas

31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Wichila, NS 07202

ATTN: Steve Davis

Job Ticket: 64286 **DST#: 3**

Test Start: 2017.12.18 @ 01:10:39

GENERAL INFORMATION:

Formation: Bas al Penn Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 04:01:39

Tester: Brandon Turley
Time Test Ended: 10:31:39

Unit No: 79

Interval: 4576.00 ft (KB) To 4634.00 ft (KB) (TVD) Reference ⊟evations: 2969.00 ft (KB)

Total Depth: 4634.00 ft (KB) (TVD) 2959.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6651 Inside

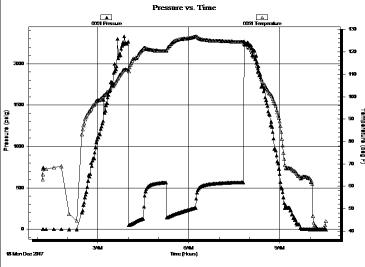
 Press@RunDepth:
 psig
 @
 4577.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2017.12.18 End Date: 2017.12.18 Last Calib.: 2017.12.18

Start Time: 01:10:53 End Time: 10:31:48 Time On Btm: Time Off Btm:

TEST COMMENT: IF: BOB in 14 min.

IS: No return. FF: BOB in 22 min. FS: No return.



PRESSURE	SUMMARY
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	FINESSUINE SUMMARY				
, [Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
i					
_					
nedme					
Temperature (deg F)					
(deg F					
)					

Recovery

Length (ft)	Length (ft) Description	
126.00 mcw 80%w 20%m		1.77
189.00	189.00 w cm 40%w 60%m	
199.00 w cm 5%w 95%m		2.79
* Recovery from mult	tiple tests	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------

Trilobite Testing, Inc Ref. No: 64286 Printed: 2017.12.18 @ 11:36:12



FLUID SUMMARY

Lario Oil & Gas 31-12-31 Gove, Ks

301 S Market St Wichita, Ks 67202 Ziegler Trust 5-31

Job Ticket: 64286

DST#: 3

ATTN: Steve Davis

Test Start: 2017.12.18 @ 01:10:39

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:19000 ppm

Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 7.99 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 3300.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 80%w 20%m	1.767
189.00	wcm40%w 60%m	2.651
199.00	w cm 5%w 95%m	2.791

Total Length: 514.00 ft Total Volume: 7.209 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .49@48=19000

Trilobite Testing, Inc Ref. No: 64286 Printed: 2017.12.18 @ 11:36:12

80

Temperature (deg F)

90

110

120

130

30

40

50

60

70

