Confidentiality Requested: Yes No

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

1091342

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

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	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 ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back 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:
ENHR Permit #: GSW Permit #:	Operator Name:
	Lease Name: License #:
Shud Data ar	Quarter Sec TwpS. R East _ West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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	1091342
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTRUCTIONS. Chave important tang of formations paratrated Da	tail all aaraa Banart all final	conico of drill atoma tooto giving interval tootod, time tool

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

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 She	pets)	Yes No		.og Formatio	n (Top), Depth and	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		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 / SQU	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	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. skip	o questions 2 an	d 3)
	0	raulic fracturing treatment ex	ceed 350,000 gallons			question 3)	/

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

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge P Each Interval F		be			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F		No	
Date of First, Resumed	d Product	ion, SWD or ENH	3.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSIT	ION OF (GAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sol	d 🗌	Used on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)						

Yes

	RILOBITE		Test	st Ticket	
	FO. Box 1733 • Hays	INC. • Hays, Kansas 67601	NO.	. 46970	
S.	olen #1			7-	
Commany 1	Comi Peri	the state of the s	Elevation 1875	KB 1%/	0 0
P.0.	FH8 X0	H,KS Lett	-284		/
Co. Rep / Geo.	ave Williams	- Rig	Ninnescal	1010	
Location: Sec.	O TWP. 27 S	Rge. 12 W Co.	Pratt	State	<u> </u>
Interval Tested	3722-3764	Zone Tested	S)		
Anchor Length	42		3716	Mud Wt.	4.2
Top Packer Depth	5717		ØX	Vis	22
Bottom Packer Depth	2 122 3764	C Wt. Pipe Run	pom System	ML	1/2#
Blow Description	: Strong blow	BieiBilo	No	: No	weld
(are	plaw, B.O.B.	30 Sel. No GTS			
Par 275 Fast	East of GTP	6 CO /	%nas	%water	im%
100			/	M	96 %m
	Feet of	6	%gas %oil		1 <u>m%</u>
RecFe	Feet of	6	%gas %oil	%water	<u>%</u>
Rec	Feet of	6	%gas %oil	%water	im%
Rec Total 325	BHT LIS	Gravity N/C API RW	APIRW N/C@ N/C"F	Chlorides 13	1d Coo
(A) Initial Hydrostatic	1845	V Jest 1150	1-On	F.On Location	16:4:
(B) First Initial Flow	61	W Jars 250	T-Sta	T-Started	17:55
(C) First Final Flow	26	W Safety Joint 75	T-Open	en	19:58
(D) Initial Shut-In	642	Circ Sub	T-Pulled	lled	NN NN
(E) Second Initial Flow	12	D Hourly Standby	T-Out	t	
(F) Second Final Flow	51	W Mileage 25rt 3	8.75	comments	
(G) Final Shut-In	501	Sampler			
(H) Final Hydrostatic	57-14	D Straddle		Ruined Shale Packer	
	2	D Shale Packer		Ruined Packer	
Initial Open	200	Extra Packer		Extra Copies	
Initial Shut-In	CL.		Sub	ote	
Final Flow		L Day Standby	lotal	1513.75	
Final Shut-In	CH	Accessibility	MP/I	MP/DST Disc't	
		Sub Total 1513.75	0	Ì	11
Approved By Trilobite Testing Inc. shall not be liable	e for damaged of any kind of the property or	Approved By Our Representative FLAP I North Approved By International of the property or personnel of the one for when a test is made, or for any loss surfaced by Sustained directly or ignirectly	ntative FLAD	stained, directly or igdirectly, th	rough the use of i
equipment, or us statements or opinit	וו נטטר גובו עוווי וויפ ווס כוופגט שנו עוווויוטאוטר ווט	נסא טו ממוומצכם זה ווזג גוטוב אומו טב עמוו טו מו	and more that is the second and		

	NILOBITE			Test 1	Ticket
P.O. E	FSTING INC. P.O. Box 1733 • Hays, Kansas 67601	Kansas 67601		NO.	46971
Well Name & No. Bolen	(# ·		Test No.		1
Company Turka - Co	S47 1	Pratt. KS	Elevation (6기12년	- 2751 - 2847	KB <u> X(e</u> 2_GL
Geo. Dave l	2mailliv		Nig N	Ś	101
	P. 275	Rge. 12	Co. Pro	Pratt	state KS
Interval Tested 384	3840-3873	Zone Tested K	Lansas L	I+H "H+I	
Anchor Length	33.	Drill Pipe Run	384	0	Wt.
Top Packer Depth	2835	Drill Collars Run			0.71
Bottom Packer Depth Total Depth	3873	Wt. Pipe Run Chlorides	100 200 11	porn System LCM	2
Blow Description IF. Strong	mald pro	B.D.B. 23		14	No blow
FF: Wak-Strank +	"1/4"	- B.e.B. 34 min.	n.a.		
		na televis insta des en electron este en el constante en en en este este en este este este	n jana kana kana kana kana kana kana kan	nih produkati na provinsko na narodno na naro	
Rec 420' Feet of 6T	L V		%gas	%oil	%water
Rec 60 Feet of SLI	T GOLMW	3	%gas	%oil	%water 2
Rec 3001 Feet of 54-	MWYOS I-		%gas	<1 %oil 90	> %water 1 @ %mud
Rec Feet of		and the second	%gas	%oil	%water %mud
Rec Feet of	jan naki peranen ana seripan oran projek an ar ter dari bertak dari bertak dari bertak dari bertak dari bertak	dalaman ya kuning Vertita na manana kama na manana	%gas	%oil	%water %mud
Rec Total <u> </u>	BHT 125	Gravity N/C AP	API RW = 05	@ J7 F C	
(A) Initial Hydrostatic	1917	N Jest 1150		T-On Location	
(B) First Initial Flow	.20	W Jars 250	na na secondo de la desense na la compañía de la desense de se de la desense en en	T-Started	
(C) First Final Flow	0)	Safety Joint 75		T-Open	0291
(D) Initial Shut-In	1299	Circ Sub		T-Pulled	1420
(E) Second Initial Flow	611	- Hourly Standby	a na sana ana ang ang ang ang ang ang ang ang	Comments	V
(F) Second Final Flow	198	W Mileage 38.75			
(G) Final Shut-In	1291	Sampler		2 012	
(H) Final Hydrostatic	17560	D Straddle		- D Ruined	Ruined Shale Packer
	717	Shale Packer		- D Ruined	Ruined Packer
Initial Open	01:	Extra Packer		- 🗆 Extra Copies	copies
Initial Shut-In	60	Extra Recorder		Sub Total	0
Final Flow	54	Day Standby		Total 15	1513.75
Final Shut-In	60	□ Accessibility		MP/DST Disc't	Disc't
		Sub Total 1513.75		0-	11 0
Approved By		Our Re	Our Representative	nygu	Keyndas
Fritobite Testing inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered of sustained, directly or indigectly, through the use of its solutionent, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.	of any kind of the property on he results of any test, tools	r personnel of the one for whom a test lost or damaged in the hole shall be pa	t is made, or for any lo aid for at cost by the pa	ss suffered of sustained, i inty for whom the test is n	directly or indirectly, through the use of ns nade.

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RILOBITE		Test Ticket
P.O. Box 1733 • Hays, Kansas 67601	ansas 67601	NO. 46972
a	Test No.	Date 7-12-12
Carmi D	Elevation	1875 KB 1862 GL
THE XOB O	- HELLEN SX, 4	101 4 101
Co. Rep / Geo. 10 Lave W. L. L. Location: Sec. 10 Twp. 27 5 R	q	S I
3	Zone Tested Kansas Lit	"swape" a,
Anchor Length 201	Drill Pipe Run 3763	Vis 50
	Wt. Pipe Run	wr /2.0
Bottom Packet Depth 3980	000 hl	rstem LCM
ption IE Hran blau	B. 21 min	
T. Weak blewback 14	Na GTS	
Tribon have been of the	Mace.	
Feet of GIP		%oil %water %mud
50 Feet of	o %gas lo	Soil %water XO %mud
Feet of	%gas	
Rec Feet of	. %gas	%oil %water %mud
		vater
Total 3640 BHT 120	Gravity W/C API RW W/C.@	N/2°F Chlorides 14 200 ppm
Hydrostatic	W Test 1150	T-On Location
(B) First Initial Flow/ イ	Lars 250	Toma 1451
(C) First Final Flow	La Safety Joint 75	T-Dpeil 1805
(D) Initial Shut-In	Circ Sub	
(E) Second Initial Flow	Hourly Standby	Comments
(F) Second Final Flow		
		D Protect Docker
(H) Final Hydrostatic	C Shale Packer	Ruined Packer
Initial Onen		
	Extra Recorder	Sub Total 0
Final Flow	Day Standby	Total 1513.75
Final Shut-In	C Accessibility	MP/DST Disc't
	Sub Total 1513.75	the law when
Approved By	Our Representative Z	uttered or sustained, directly or indirectly. through the use of its
Trilobite Testing Inc. shall not be liable for damaged of any king of the property or personner or us one or more on the paid for at cost by the party for whom the test is made. equipment, or its statements or option concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.	to be a share of the party to be paid for at cost by the party tost or damaged in the hole shall be paid for at cost by the party	for whom the test is made.

	and the second se	Test Ticket	
x 1733 • Hays, Kansas 67601	7601	NO. 46973	
Fred Bolen	Test No.	4 Date 7-13-12	
- Box 847 1	0 - HZ1L9		
Reverses	Z. W Co. Pratt	State KS	
3877-3908	Kansas C	ity utrue of the	
877	n un		
ter Depth	Run 15 arais	WL 12.0	
201 1	1.12	No blau	
FFEWERK blow. Surface blow	s throughout		
Let Feet o	%gas	%oil %water %mud	
ec 50 Feet of GoCM	%gas 10	%oil %water 7.0 %mud	
ec Feet of	%gas	%oil %water %mud	
ec Feet of	%gas	%oil %water %mud	
ec Feet of	%gas	%oil %water %mud	
ec Total [] D BHT [18 Gravity N	LC APIRW N/2 @	NCC F Chlorides 15 22 ppm	
() Initial Hydrostatic 1921 WTest	1150	tion 03	
I) First Initial Flow 1 Let 2 Jars 2	250	P	
;) First Final Flow ZJ Safety Joint	Joint 75	T-Open 1/5/5	
I) Initial Shut-In 1/83 D Circ Sub	di	T-Pulled I U D	
3) Second Initial Flow Z.S Hourly Standby	Standby	tents	
Flow 10 B	e <u>38.75</u>		
1) Final Shut-In Sampler		1	
	acker	Ruined Shale Packer	
tial Open 45 D Extra Packer	acker		
لطر	lecorder		
nal Flow 45 D Day Standby	andby	13	
nal Shut-In D Accessibility	ibility	MP/DST Disc't	
Sub Total	2113.75 O	0	
proved By	Our Representative R	yan Keynolds	
intercent of the share not be noted of any fact, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.	the hole shall be paid for at cost by the party for w	from the test is made.	

Skansas 67601 NO. S, Kansas 67601 Test No. S, Kansas 67601 States Volution M, Pipe Run $\sqrt{1/2}$ No. M, L, J, L, Z, L, L, Z, Z, S, No. No. M, L, L, L, L, Z, No. No. M, Satated %ooil M, Satated %ooil N, M, Satated No. N, M, Satated No. N, M, Satated No. N, M, M, Satatede No. N, M, St		RILOBITE			Test Ticket	ket	
acord Bolen III Test No. Bolen III mpony Taylor Carceni Durchspreach Durchspreach Levalon SY17 mpony Taylor Carceni Durchspreach Durchspreach Durchspreach SY17 hep (ceo. Dove Will Linnors Rep Rep (co. Dove Will Linnors and rested U134 U220 zone tested U135 "SM2 and rested U134 U220 zone tested U133 and rested U124 Nr. Pipe hun U133 perch U122 cunclease Molecular Molecular rested U122 Cunclease Min System U133 rested U122 Cunclease Molecular Molecular rested U122 <th></th> <th>FSTING INC. P.O. Box 1733 • Hays, K</th> <th>ansas 67601</th> <th></th> <th>8</th> <th>46974</th> <th></th>		FSTING INC. P.O. Box 1733 • Hays, K	ansas 67601		8	46974	
Intrame 5. No. Do Let M. 12 Let Elevation 1871 many Trulys - Cactori Deutelopment 11. Elevation 1871 tess P. 2. Bex 8417 Peatt KS 60124 - D8473 attens Rev 2715 Rept KS 60124 - D8473 attens Rev 2715 Rept 12 Lo 0.0 Peatt attens 12 - 10 Rept 12 - 12 Lo 0.0 Peatt externation 580. 10 mm Pie Run 4127 point cates Run 4127 an Packer Depth 4127 an P			1		5 Date	7-14	1-12
many Lexit as the sector of t		Carol Davelan		levation		180	J GL
Rep / Geo.Dave.WillliamsRig.Minassicanon: Sec.1.0Top2713Rep.1.2 w.Co.Peatand rested413444124Donal Pepe Run4123w.Pepe Run4123Pader Depth41344W.Pepe Run4123w.Pepe Run4123Description TE' WilliagDonal Pepe Run4123w.MinassienDescription TE' WilliagDonal Pepe Run4123w.MinassienDescription TE' Williag $Min' Pipe Run4123w.MinassienDescriptionTE' WilliagMin' Pipe RunWilliagWilliagMinassienDescriptionTE' WilliagMin' Pipe RunWilliagWilliagMinassienDescriptionTE' WilliagMin' Pipe RunWilliagWilliagMinassienDescriptionTE' WilliagMin' Pipe RunWilliagWilliagMinassienDescriptionTE' WilliagMin' Pipe RunWilliagMinassienMinassienDescriptionTE' WilliagWilliagWilliagMinassienMinassienMinassienDescriptionTE' WilliagWilliagWilliagWilliagMinassienMinassienDescriptionTE' WilliagWilliagWilliagWilliagMinassienMinassienDescriptionTE' WilliagWilliagWilliagWilliagMinassienMinassienDescriptionTE' Williag$	P.o.	A 1	T	£48a			
alon: Sec. <u>Io</u> wp 273 Rge. <u>IZ w</u> Co. <u>FCAT</u> and Tested <u>134</u> <u>4124</u> <u>720</u> zone frested <u>Mi 55</u> . <u>"55485</u> part constraint <u>4137</u> <u>720</u> <u>2000 Rested Mi 55</u> . <u>"55485</u> part constraint <u>41374</u> <u>7275</u> <u>7285</u> <u>7175</u> <u>735</u> <u>7356</u> <u>7375</u> <u>735</u> <u>7355</u> <u>7350</u> <u>747</u> <u>745</u> <u>7550</u> <u>7475</u> <u>745</u> <u>7550</u> <u>7475</u> <u>745</u> <u>7550</u> <u>7475</u> <u>7450</u> <u>7475</u> <u>747550</u> <u>747550</u> <u>747550</u> <u>747550</u> <u>747550</u> <u>747550</u> <u>747550</u> <u>74</u>	Da	2			darse	101	
val Tested $4134-422$ zone Tested $M153$ 0530 red length 41124 Drill Pipe Run 4123 pecker Depth 41134 Wr. Pipe Run 4123 m Packer Depth 4122 Drill Collars Run 4123 m Packer Depth 41272 Drill Collars Run 41272 m Packer Depth 41272 Drill Collars Run 41272 m Packer Depth 41272 Drill Collars Run 41272 m Packer Depth 41272 Drill Pipe 41272 m Depth 41272 Drill Pipe 41272 m Description $TE1$ 1272 800 m Description $TE1$ 1174 800 feet of 512 800 800 feet of 512 800 800 feet of 520 800 1200 feet milal Flow 172 800 1200 feat frail Flow 172 800 1230 feat frail Flow 172 800 1200 feat frail Flow 172 800 1200 feat frail Flow 1230 1200 feat frail Flow 1230 1230	1	Twp. 27 s	łge. / 2 w	Frat			
Norteright 360^{1} Drill Pipe Run $4/123$ Drill collars Run $4/123$ Packer Depth $4/134$ wr. Pipe Run $4/134$ wr. Pipe Run $4/134$ Dent $4/134$ wr. Pipe Run $4/134$ wr. Pipe Run $4/1334$ Depth $4/134$ wr. Pipe Run $4/134$ $4/134$ $4/134$ Depth $4/134$ $4/134$ $2/225$ $2/23$ Creation $TE(Debt)$ $4/134$ $2/22^{1}$ TST Creation $TE(Debt)$ $4/134$ $2/22^{1}$ TST $2/20^{1}$ Creation $TE(Debt)$ $4/14^{11}$ $1/22^{1}$ $2/2^{1}$ $2/2^{1}$ $2/2^{1}$ $2/2^{1}$ Creation $TE(Debt)$ $4/14^{1}$ $1/22^{1}$ $2/2$	Interval Tested	4134-4220	Zone Tested	\$5.	SACE"		0
Packer Depth 4124 Drill Collars Run 92 In Packer Depth 4134 W. Pipe Run 9134 In Packer Depth 42225 chlorides 15245 ppm System In Description $TE: Ueck$ blows 114^{u} $31/2^{u}$ $TST = M_{on}$ T = Fait India Collars Run 6237 8001 8001 T = Fait $11/2^{u}$ $31/2^{u}$ $TST = M_{on}$ T = Fait $11/2^{u}$ $31/2^{u}$ $TST = M_{on}$ Feet of $51/2^{u}$ 7000 8001 Feet of $51/2^{u}$ 7000^{u} 8001^{u} First Initial Flow $11/9^{u}$ 6100^{u} 700^{u} Final Hydrostatic 1984^{u} NCC_{on} 800^{u} Final Shut-In 123^{u} 100^{u} 31.75^{o} 70^{u} Second final Flow 123^{u} 10^{u} 31.75^{o} 70^{u} Final Hydrostatic 123^{u} 10^{u} 10^{u} 10^{u} 10^{u} Final Shut-In 123^{u} 10^{u} 10^{u} 10	Anchor Length	3401	Drill Pipe Run	2212	Mud Wt.		7-12
m Packet Depth 4134 W. Pipe Run 4222 chlorides 524 525 ppm System (Depth 122 1225 chlorides 524 1225 1	Top Packer Depth	4129	Drill Collars Run	58		.) –	0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Bottom Packer Depth		1 -				0 K
$T = T \circ i - I \cup e_{0} h$ $H \circ i - I \vee e_{0}$ $H \circ i - I \vee $	ption	الساملط	-31/z"	T S T	الك	2	
TNobSuch (e^{2}) Feet of C_{LT} $C_{C}M$ %qas%oi (e^{2}) Feet of C_{LT} $C_{C}M$ %qas%oiFeet ofFeet of K_{e} %qas%oiFeet ofFeet of K_{e} %qas%oiFeet ofFeet of K_{e} K_{e} %oiFrailFeet of K_{e} K_{e} %oiFrailFrail N_{C} API RW N_{C} K_{o} Initial Hydrostatic $1QS4$ M_{Test} 1250 T_{O} Initial Shut-In $1Z4$ C_{e} M_{ars} 250 T_{O} Second Initial Flow (z) M_{c} M_{c} T_{O} Second Initial Shut-In $1Z4$ C_{e} M_{ars} 250 T_{O} Second Final Flow $1Z4$ C_{e} M_{ars} 250 T_{O} Final Shut-In $1Z4$ C_{e} M_{ars} 250 T_{O} Final Shut-In ZZ M_{ars} Z_{C} M_{ars} T_{O} Second Final Flow $1Z4$ C_{e} M_{ars} T_{O} T_{O} Final Hydrostatic $1Z39$ C_{e} M_{ars} T_{O} T_{O} Inal Hydrostatic $1Z37$ C_{e} M_{ars} T_{O} T_{O} I al Open d_{O} C_{O} M_{ars} T_{O} T_{O} I al Core M_{ars} T_{O} T_{O} T_{O} I al Core M_{ars} <	Tair	k blow. 4					
Isolation Keet of Second Second </td <td>T No P</td> <td>19</td> <td></td> <td>%gas</td> <td>%oil</td> <td>%water</td> <td>pnm%</td>	T No P	19		%gas	%oil	%water	pnm%
Feet of %gas %oi Fitst III of Gravity N/C API RW To nitial Hydrostatic $I Q R$ BHT $I Q$ R R nitial Hydrostatic $I Q R$ R R R R R nitial Hydrostatic $I Q R$ R R R R R R nitial Shut-In $I Z Q$ R R R R R R R nitial Shut-In $I Z Q$ R R R R R R R R R Second Initial Flow $I Z Q$ R		1-12		%gas	%oil	%water	00 %mud
Feet of %gas %oi Total T_{Set} of W_{C} W_{M} W_{C} W_{M} Total T_{S} B_{HT} I/Q W_{C} W_{M} W_{C} W_{M} Total T_{S} B_{HT} I/Q W_{C} W_{C} W_{C} W_{C} Total T_{S} W_{C} W_{C} W_{C} W_{C} W_{C} W_{C} Total T_{S} W_{C}				%gas	%oil	%water	%mud
Feet of %gas %oil Total $\int S$ BHT $I Q$ Gravity NCC API RW MC Q_{API} V_{API} <td></td> <td>et of</td> <td></td> <td>%gas</td> <td>%oil</td> <td>%water</td> <td>pnm%</td>		et of		%gas	%oil	%water	pnm%
Total $\Im S$ BHT $I Q$ Gravity \mathcal{NCC} API RW \mathcal{MC} Θ ∇S nitial Hydrostatic $ Q \otimes Q + 1 Q$ $ Q \otimes Q + 1 Q \otimes Q + 1 Q Q Q Q Q Q Q Q Q $				%gas	%oil	%water	%mud
1984 1250 100 61 1250 100 61 1250 100 125 1250 100 125 1250 100 125 1250 100 125 1250 1000 125 1250 1000 125 1250 1000 125 1200 1000 1230 10000 10000 133.75 10000 10000 1232 100000 38.75 00000 133.75 1000000 1000000 1000000 133.75 10000000 10000000 100000000 133.75 10000000000000000 $1000000000000000000000000000000000000$		ыт //@	NCC	1	NK "F Chlorides	ides 15000	mqq 60
(e_1) ∇_{ars} 250 751 $\sqrt{e_1}$ 22 ∇_{ars} 250 761 $\sqrt{e_1}$ 12 ∇_{ars} 250 761 $\sqrt{e_1}$ 12 ∇_{ars} 250 761 $\sqrt{e_1}$ 12 ∇_{ars} 161 76 $\sqrt{e_1}$ 12 ∇_{ars} 160 76 $\sqrt{e_1}$ 163 161 160 160 $\sqrt{e_1}$ 163 1616 160 101 $\sqrt{e_1}$ 163 1616 160 101	Rec Total 12	84	at 1250		0 <u>-</u>	суна селе виловия е орее на селе Алектического констолого	0445
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	(B) First Initial Flow	-9-0	Sier		T-Open		P180
Flow (3) 1 Circ Sub To Flow (3) 1 Hourly Standby Cor Flow 222 Mileage 38.75 Cor atic 1936 1 Standby Cor Cor 55 1 Sampler 1 Standbe 20 Cor 38.75 1 Standbe 38.75 Cor Cor 55 1 Standbe 1 Standbe 1 Standbe 1 Standbe 1 Standbe 310 18 1 Standbe 18 18 18 18 118	(C) First Final Flow	D ~1	Salety Joint		T-Pulled		120
22 D Hourly Standby 22 Mileage 38.75 55 D Sampler 38.75 55 D Straddle 0 55 D Straddle 0 739 D Straddle 0 730 D Straddle 0 730 D Straddle 0 730 D Straddle 0 745 D Straddle 0 75 D Straddle 0 760 D Straddle 0 760 D Straddle 0 760 D Straddle 0	(D) Initial Shut-In	27			T-Out		1332
133 1334 Sampler 1334 133 1 Straddle 1 3 1 Straddle 1 3 1 Extra Packer 1 45 1 Extra Packer 1 6 1 Day Standby 10	(E) Second Initial Flow	5	Hourly Standby	75	Comments		
	(F) Second Final Flow	VV VV	Mileage	<u> </u>	And a second		
	(G) Final Shut-In				-2	Toology	
□	(H) Final Hydrostatic					laie rauxei _	
n <u> イち</u> Extra Recorder Sub Tota しのつ Day Standby Total Monroe	Concerning Provide	20				ies	
Total Total Total Total Total	Initial Shrit-In	L U			Sub Total 0	0	
	Einal Flow	99			1	1613.75	
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Ammind Bu Our Representative Nurger	Ammind Bu	•	Our Rep	oresentative	Myan	hage	
Tribute result of the liable for damaged of any kind of the property or personnel of the one for whom a test is made. or for any loss suffered destributioned, directly or indpectly, inrough we use or explored to statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.	Tritobite Testing Inc. shall not be liable	le for damaged of any kind of the property or ion concerning the results of any test, tools le	personnel of the one for whom a test is ost or damaged in the hole shall be paid	s made, or for any loss s I for at cost by the party	utfered Ar-Sustained, direction of the for whom the test is made	e.	nough me use un

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	RILOBITE		Le	Test Ticket	
	P.O. Box 1733 - Hays, Kansas 67601	. Kansas 67601	NO.	. 46975	
Well Name & No. Boleo	en #	Tesl	Test No. 6	Date 7.	.15.12
Fuka-C	J.w.	2770	Elevation 1875	KB	18 Co Col
D. Bo	847	Pratt 25 12124 - 0847	-0847		
Location: Sec.	TWP. 275	- Rge. / Z Со. 1	Pratt	S	KS
Interval Tested	12.	Zone			
Anchor Length	169	Drill Pipe Run	1/280	Mud Wt. 9.	+/.
Top Packer Depth	4287	Drill Collars Run	Ø	Vis	85
Bottom Packer Depth	4292	Wt. Pipe Run	Ø		12.0
ption ITF: 1	, wald has		27 miz	TSTRN	wald
FF= No blow . Flushed	tool	10 min into Weak Haw	- "H' - me	Surface.	
TS Feet of	Dela mud	%	%gas %oil	%water	pnu% Col
lec Feet of	7	%	%gas %oil	%water	%mud
lec Feet of		99 <mark>/</mark>	%gas %oil	%water	%mud
tec Feet of		%	%gas %oil	%water	pnm%
tec Feet of	na an an Araban an Analan an Andrana an an an Analan an Analan an Analan an Analan Analan Analan an Analan an A	9%	%gas %oil	%water	%mud
tec Total 75	BHT /2/ 0	GrAVILY APIRW INCE	0	N/2°F Chlorides 1	3000 ppm
 A) Initial Hydrostatic 		t. 1250	-		0500
3) First Initial Flow		W Jars 250	T-Started		0527
C) First Final Flow	77	N Safety Joint 75	T-Open		0736
) Initial Shut-In	137	Circ Sub	T-Pulled	ed	1005
 Second Initial Flow 	38	D Hourly Standby	T-Out		V
-) Second Final Flow	49	W Mileage 38.75	Comments	nents	
3) Final Shut-In	224	C Sampler			
4) Final Hydrostatic	Zoly	C Straddle		Ruined Shale Packer	
	ſ	D Shale Packer		Ruined Packer	
vitial Open	20	Extra Packer		Extra Copies	
nitial Shut-In	99	C Extra Recorder	Sub Total	Total 0	
inal Flow	00	Day Standby	Total	1613.75	
inal Shut-In	48	Accessibility	MP/L	MP/DST Disc't	
		Sub Total 1613.75		ç	
pproved By		Our Represen	itative Rugar	herron	145
lobite Testing inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its	ed of any kind of the property or r	personnel of the one for whom a test is made.	or for any loss suffer of or sus	stained, directly or Mdirectly,	through the use of its

libble festing inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or Molirectly, through the use of its lipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Vell Name & No. Bolen # 1 Vell Name & No. Bolen # 1 Company Title Cermi Address P.0, Box 847 Co. Rep/Geo. Dave Will ic	ESTING INC. P.O. Box 1733 • Hays, Kansas 67601			
0. Bole Cita-C Dave Dave		ansas 67601	NO. 47020	0
Parke - C		Test No.	7 Date _	7-16-12
Dave Dave 10	9	Rul-pment UC Elevation	1875 KB	1862 GL
Dave		1212y	6847 L	181
	2735	Rue. 12 w Co. PC	Pratt	State KS
443	2. 44 B	Zone Tested	an Sand	
	2		4436 Mud WI.	
Anchor Lengun	とこわわ	Drill Collars Run	A Vis_	12 8
Bottom Packer Depth	4432	Wt. Pipe Run		- ta
Total Depth	K-Fair bl	Chlorides 11	TST: No bl	weld weld
FFEWeak-Fairbla	blows surfor	ž z		
	WN	%0as	%oil	%water 00 %mud
120 Feet of	('' >	%gas	Soil (0)	%water 40 %mud
	<u> </u>	%gas	%oil	%water %mud
		%gas	%oil	%water %mud
		%gas	%oil	%water %mud
	BHT 127 0	Gravity N/C API RW -14	@ 79.1 F Chlorides	2
	2263	V Test 1250	T-On Location	0320
(B) First Initial Flow	45	Jars 250	T-Chen	0125
(C) First Final Flow	90	L Safety Joint 75	T-Pulled	0725
(D) Initial Shut-In	1360	Circ Sub	T-Out	0951
(E) Second Initial Flow	121	1	Comments	
(F) Second Final Flow	1287	Nileage		
(G) Final Shut-In	2125		Ruined Shale Packer	ale Packer
				icker
Initial Open	<u> 4</u> 0	C Extra Packer	Extra Copies	ies
Initial Shut-In	I 0	C Extra Recorder	Sub Total	0
Final Flow	10	Day Standby	Total 1613.75	. 75
Final Shut-In	45	C Accessibility	MP/DST Disc't	c't
		Sub Total 1613.75	0	0 21,

SERVICES, LLC 053830 Federal Tax I.D.# 20-5975804 ALLIED OIL & GAS

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665

Med Lodge KS SERVICE POINT:

DATE 07/07/2012	SEC. TWP. 10 274	RANGE 124	CALLED OUT	ON LOCATION JOB START	JOB START	JOB FINISH
LEASE Bolen	WELL#]-10	LOCATION Prat K	LOCATION Prof KS, East to 704 Aic, East ad	4. Aic, East-ade	COUNTY	STATE
OLD OR NEW (Circle on	cle one)	of Trubul N	Jorth 4/2 " Me.	ot into		

OWNER Inka - Carni Developenent # 101 CONTRACTOR NINAERAL

NOT THE TANK AND A THE AND	¥7.01	
TYPE OF JOB Surface		
HOLE SIZE 12 MA	T.D. 706	~
CASING SIZE 853	DEPTH 70/	4
rubing size	DEPTH	1.1
DRILL PIPE	DEPTH	
LOOL	DEPTH	I
PRES. MAX 300	MINIMUM	0
MEAS. LINE	SHOE JOINT	ينبر
CEMENT LEFT IN CSG. 2.044		0
PERFS.		0
DISPLACEMENT 4374	43/4 W Fresh Har	~

PUMP TRUCK	CEMENTER Jason Thinach
\$72/09C #	HELPER Ron Guller
BULK TRUCK	
# 381/250	DRIVER Trov Lehz
BULK TRUCK	A
#	DRIVER

EQUIPMENT

	Cement		
REMARKS:	Circ		
Jones -	Did		
and the second of the second			

ZIP. tuo CHARGE TO: Tike - Carni Deve loyan STATE. STREET CITY_

To: Allied Oil & Gas Services, LLC.

contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. contractor to do work as is listed. The above work was You are hereby requested to rent cementing equipment done to satisfaction and supervision of owner agent or and furnish cementer and helper(s) to assist owner or

1 5

TOTAL

PRINTED NAME.

320140-29 IF PAID IN 30 DAYS

TOTAL CHARGES

SALES TAX (If Any).

\$10,331.45

MISTES FLUM

SIGNATURE

CEMENT AMOUNT ORDERED 2258 65:35; 6% Celt 3% cc + 24 # fbred, 100 x Class A + 3% act 2% 64	+	10	
2258 6 N, 1000	26	13%	
2258 6 N, 1000	T; 6	A	
2258 6 N, 1000	5.3	Clas	
NT NT ORDERED 2254 + 29 # flored) 1	9	βQ X	
NT NT ORDERED 2 +)4 # fbrea	255	1 . 1	
NT NT ORDERE インターサイン	0	bsea	
NT OR	DERE	4	
	VT VT OR	サイヤ	e
CEME AMOUI 3% cc	CEMENT	% cc	900

16 2S	412.50 640.20	3375 151.20		770.38
COMMON C/435 A 1005x @ 16.25	AIX	All VI Type I Clush 2255 @ 15 floseal 5 Clush 2255 @ 0 2.70	© © © ©	● HANDLING 3 <i>はも。</i> 第5 @ <u>2.10</u> MILEAGE <i>15.6 弘文 40 X 2.35</i>

8073.50 TOTAL

	1505.95		280	200	160	
		0	@ 7	0	@ 4	0
10L	RGE		710		40	
DEPTH OF JOB	PUMP TRUCK CHARGE	EXTRA FOOTAGE	MILEAGE	MANIFOLD + Head	LV V	

TOTAL 214595 PLUG & FLOAT EQUIPMENT Rubber My 838

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SERVICE

Yok.

Than K

ICKET 08 A		CUSTOMER ORDER NO.:	WELL NO 1 U	0	Piersun		1	0 AM 8: 50	AM	-		CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.	NED: (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)	\$ AMOUNT	165000	60000	140 60	47750	50250	1 51900	2000	00500	00561	17500	43000	4250	14000	155 40	23000	25000	17500	707610			4 Pres	R AGENT)	
FIELD SERVICE TICKET 1718 06708 2	TICKET NO.			STATE K	medicus	4.5.	ED 7.17DATE	BOL	ATION		MILES FROM STATION TO WELL	e is delivered). edges that this contrac ional or substitute term	ER, OPERATOR, CON	UNIT PRICE		5								and a second sec	Allow Hep-the-						SUB TOTAL	P	%TAX ON \$ %TAX ON \$	TOTAL	DUAL	ECEIVED BY:	
FIE 17	DATE			L	rland	+11H- C	TRUCK CALLED	ARRIVED AT JOB	START OPERATION	RELEASED	MILES FROM	ed or merchandis ees and acknowl cument. No addit	SIGNED: (WELL OWNI	QUANTITY	150	50	28	630	150	346		-	-1	n v	500	10	00	58.	1111	000	-		%TA %TA		8	ED BY:	
		OLD D PROD	Boler	Prati	E CREW	E CN	HRS					bb is commence ndersigned agr	0)	UNIT	SX	54	52	11	21	Lb	62	1	HIT EL	12 CC	129	in	in	N I	EL S	69	1		QUIPMENT		SERVICE	ND RECEIVE	(עעררר י
		NEW O	LEASE	COUNTY	SERVICE CREW	JOB TYPE:	EQUIPMENT#					ned before the jo As such, the u on the front and Services LP.		JSED									+ Value				0.5		2000				SERVICE & EQUIPMENT MATERIALS		TERIAL AND	USTOMER A	
10244 NE Hwy. 61 P.O. Box 8613 Dett Vances 67124	620-672-120		20				HRS E(ntract must be sign the customer ditions appearing r of Basic Energy		MATERIAL, EQUIPMENT AND SERVICES USED						4/1	Th		いたちい				Milec	1.1.1.1	-1001	A.	1 200	, L]	HE ABOVE MA	ORDERED BY CUSTOMER AND RECEIVED BY:	
m 10244		++5:	Servi				AENT#					TIONS: (This cor itract as an ager se terms and con sent of an office		DUIPMENT AN	2	2				Chlor	PLUN H	Thy,	エリー	113	TUIE	12451	Kran gra	1 201	arge	Thirt I	0000 - 1 St.				-	000	
	ENERGY SERVICES	DISTRICT	1/23		STATE		EQUIPMENT#					ITRACT CONDI execute this cor of and only thos it the written cor		NATERIAL, EC	50 PD	10 01	Hand	20100	+ PC.	Shirt's	Lubber	5100	JHY in	1111	10000	No Co	UN RA	al.	AL CN	220	1100 15	DATA:			1 - 1	-O2	
		3-12	ttos				HRS		101			CON CON contract to contract withou	*		5010	100	and all	Jud ?	モーシー	Pirta	1001	10 000	Flaps	シット	1111	P. ck	11 call	RUNA	Cel	PICE	545	CHEMICAL / ACID DATA			(270	ORDER NO.
		DATE OF 7-1	CUSTOMER	ADDRESS	CITY	AUTHORIZED BY	EQUIPMENT#	58 ELE	1012-010-0101			The undersigned i products, and/or supt become a part of this		ITEM/PRICE	C PILIN	C 8103	CUND	6443	10101	(715W	10120	050300	CALE	C & 1650	1010	6100	FION	E113	56733	Dhead	5003	CHE				REPRESENTATIVE	FIELD SERVICE ORDER NO

|--|

C. Albert Self and



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

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

August 22, 2012

Kenneth C. Gates Iuka-Carmi Development LLC PO BOX 847 PRATT, KS 67124-0847

Re: ACO1 API 15-151-22394-00-00 Bolen 1 SE/4 Sec.10-27S-12W Pratt 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, Kenneth C. Gates