

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division 1301855

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:			SecTwpS. R 🔲 East 🗌 West					
Address 2:			F6	eet from North / Se	outh Line of Section			
City: S	tate: Z	ip:+	Fe	eet from East / W	lest Line of Section			
Contact Person:			Footages Calculated from	Nearest Outside Section Cor	rner:			
Phone: ()			□ NE □ NW	V □SE □SW				
CONTRACTOR: License #			GPS Location: Lat:	, Long:				
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxxx)			
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84				
Purchaser:			County:					
Designate Type of Completion:			Lease Name:	Well	l #:			
	e-Entry	Workover	Field Name:					
	_	_	Producing Formation:					
☐ Oil ☐ WSW ☐ D&A	☐ SWD	□ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _				
OG	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total Dep	oth:			
CM (Coal Bed Methane)	_ dow	тетір. дай.	Amount of Surface Pipe Set and Cemented at: Feet					
Cathodic Other (Con	re, Expl., etc.):		Multiple Stage Cementing Collar Used? Yes No					
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet			
Operator:			If Alternate II completion, of	cement circulated from:				
Well Name:			feet depth to:	w/	sx cmt.			
Original Comp. Date:	Original T	otal Depth:						
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan				
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t					
Commingled	Dormit #		Chloride content:	ppm Fluid volume: _	bbls			
Dual Completion			Dewatering method used:					
SWD			Location of fluid disposal if	i hauled offsite:				
☐ ENHR			Loodiion of haid diopodal in	nation office.				
GSW Permit #:			Operator Name:					
			Lease Name: License #:					
Spud Date or Date Re	ached TD	Completion Date or	Quarter Sec	TwpS. R				
Recompletion Date		Recompletion Date	County:	Permit #:				

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY										
Confidentiality Requested										
Date:										
Confidential Release Date:										
Wireline Log Received										
Geologist Report Received										
UIC Distribution										
ALT I II III Approved by: Date:										

Page Two



Operator Name:				Lease N	Name: _			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
									<u> </u>	
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Type of Cement			Used	Type and Percent Additives				
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	n this well?	·			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, file	out Page Three	of the ACC)-1)
Shots Per Foot			ID - Bridge Plug Each Interval Perl				cture, Shot, Cemen		b	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT		
Vented Sold	ON OF GAS: Used on Lease		N Open Hole	NETHOD OF \Box Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λΝ ΙΝΙΕΚ\	/AL:
(If vented, Sub			Other (Specify)		(Submit A		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Bear Petroleum, LLC
Well Name	Blackhall 5
Doc ID	1301855

All Electric Logs Run

Samma Ray	
Oual Induction	
Compensated Neutron	
Compensated Density	
/licrolog	
Corrolation Bond Log	

Form	ACO1 - Well Completion
Operator	Bear Petroleum, LLC
Well Name	Blackhall 5
Doc ID	1301855

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	226	60/40 poz		2% gel, 3% cc
Production	8.5	7.875	15.5	3573	60/40 poz	175	2% gel, 12% salt



Cement Surface

FIELD ORDER Nº C 43666

BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		316-	524-1225	DATE_ 2 -10 -10	3	20
IC ALITHODI	750 BV: (ser Petroleum				
		City				
To Treat Wel As Follows:	Lease Blc	ckhcll Well	No5_	Customer	Order No	
Sec. Twp. Range		Cou	nty Rice		State	les
CONDITIONS: not to be held I implied, and no treatment is pay our invoicing de	As a part of the iable for any dai representations yable. There will epartment in accordance.	consideration hereof it is agreed that Copeland A nage that may accrue in connection with said so have been relied on, as to what may be the res be no discount allowed subsequent to such dat ordance with latest published price schedules. himself to be duly authorized to sign this order	Acid Service is to service or treatment. (ults or effect of the see. 6% interest will be	ice or treat at owners risk Copeland Acid Service has ervicing or treating said we charged after 60 days. To	the hereinbeformade no represent. The consider	ore mentioned well and is esentation, expressed o eration of said service o
THIS ORDER MI BEFORE WORK	JST BE SIGNED IS COMMENCED	Well Owner or Operati	01	By	Agent	
					UNIT	
CODE	QUANTITY	DES	CRIPTION		COST	AMOUNT
2	30	milease pump to	vc E		4,001	150° al
2	30	milecse pictup			2.001	60,001
2	1	Dung Charge - Su.	Cee	William Committee of the Committee of th		1,100.00/
		V				
2	175	60/40 psz. 2% gol.			10.75/	1,881.
2	10	Colcium Chloride			30.00	300,001
				3		
		ii. Jackson ii.				
2	185	Bulk Charge			1751	231. 25/
2		Bulk Truck Miles 7.95 7 × 30 ~	= 238.5Tm	× 1,10/	1.10/	762.35/
		Process License Fee on		Gallons		
			3	TOTAL BILLING		3,954.85/
		material has been accepted and used				and workmanlike
Copeland	Representativ	e Notro W.	_			
				Mell Owner, Operate	or or Agent	
Remarks_		NET	30 DAYS	Strict, Operation		
		NEI	JU DAYS			



Acid Stage No.

					Type Treatment:		Type Fluid		Pound	ls of Sand
			F.O. 1	No. C43666	Bkdown					
	Bear Petrole									
Well Name	& No. Blackh	all								
Location		****************	Field							
County	Rice		State KS		Flush	Bbl./Gal.				
Casing:	Siza 85/8	Type & Wt		Set at ft	Treated from		ft. to		1000	0
Casing: Size 8 5/8" Type & Wt. Set at Formation: Perf. to					from				_	0
							ft. to		140.11.	
Formation:			Perf.		Actual Volume of Oil	I / Water to Load H	ole:			Bbl./Gal.
Formation:				to						
			****		Pump Trucks. No				_ Twin	
					Auxiliary Equipment			327		
Tubing:					Personnel Nathan	Jordan Scott				_
	Perforated f	rom	ft. to	ft.	Auxiliary Tools				10.00	
					Plugging or Sealing N	Materials: Type				
Open Hole	Size	T.D	ft. P.	.B. toft.				Gals.		lb.
Company I	Representative		Dick S	-	Treater		Nathan	W.		
TIME	PRES	SSURES	Table Sheld Borner			DEMARKS				
a.m./p.m.	Tubing	Casing	Total Fluid Pumped			REMARKS				
9:45		8 5/8"		On Location.						
				Surface-226'						
				Sarrage EEG						
				Break circulation	with numn t	truck				
		-	-	Dieak circulation	with pump	truck.				
		-		NA: 475 L CO/A	20/ 12	20/ 6 1 :	611 .1			
		16		Mix 175sks 60/40	Jpoz 2%gel 3	3% Calcium	Chioride.			
1:50				Displace with 13.	25bbls at 4.5	5bpm-200#	Circulated	cement t	o surfa	ice.
				Thank You!						
				Nathan W.						
							760			
-										
$\overline{}$										
			-			W				
				www.accompany.com						
,										
					30-30-					
-										



FIELD ORDER Nº C 43667

BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		010 02-	DAT	TE 2-11-16	20
IS AUTHORI	ZED BY:	per Petaleum NAMEGE			
		(NAME OF	CUSTOMER)	State	
		- knell Well No.			
Range	-	County	Ricc	State	rs .
not to be held I implied, and no treatment is pay our invoicing de	iable for any dar representations yable. There wil epartment in acc	consideration hereof it is agreed that Copeland Acid nage that may accrue in connection with said servic have been relied on, as to what may be the results be no discount allowed subsequent to such date. 6 ordance with latest published price schedules. himself to be duly authorized to sign this order for w	e or treatment. Copelar or effect of the servicing % interest will be charge	nd Acid Service has made no or treating said well. The co	representation, expressed on sideration of said service of
THIS ORDER MI BEFORE WORK	JST BE SIGNED IS COMMENCED	Well Ourse of Operator		Ву	Agent
	T	Well Owner or Operator		UNI	-
CODE	QUANTITY	DESCR		COS	T AMOUNT
2	30	milecse pump tuck		4 0° 1	
2	30	milecs pickup		7.00/	60,00
					~~~
2	1	Dump Chase - misc.			620° as
2	40	Common		75/	510,00
2	40	Bulk Charge		min.	150.00
2		Bulk Truck Miles 1.887 x 30~	56.40 X 1.		150,00
			Gallons	3	
			TOTA	AL BILLING	1,640,09
manner u	inder the dire	material has been accepted and used; the ction, supervision and control of the owner of the country to the country that the c			ood and workmanlike
Station_(	G.B			Well Owner, Operator or Agent	
Remarks_		NET 30	DAYS		



cid &	& Cement								Acid Stage No	)	
					Type Treatment:	Amt		Type Fluid	Sand Size	Pound	s of Sand
nto 2	/11/2016 Ni	strict G.B.	F.O. N	o. C43667	Bkdown					505.00	
-	Bear Petroleur										
	& No. Blackhall										
			Field								
	Rice		State KS		Flush						
			Charles and the second second		Treated from			ft. to	ft.	No. ft.	0
asing:	Size 8.5/8"	Type & Wt.		Set at ft.				ft. to		No. ft.	
ormation:				to	from			ft. to		No. ft.	0
ormation			Perf.		Actual Volume of Oil	THE RESERVE					Bbl./Gal.
rmation	T 9 .	14/6	Perf	Bottom atft.	Pump Trucks. No	o. Used:	Std.	365 Sp.		Twin	
					Auxiliary Equipment		40.000		327		
	-				Personnel Nathan						_
Joing.	Perforated fro		ft. to		Auxiliary Tools						
-	1 chlorated III				Plugging or Sealing M						
11-1-	c:	T.D.	ft D	B. to ft.			.,,,,		Gals		lb.
pen Hole	Size	1.0.	ft. P.	D. 10			According to the				
	_		Dick S		Treater			Natha	n W.		
m. (4-6)(4-4	Representative		DICK 3		11000						
TIME		Casing	<b>Total Fluid Pumped</b>			R	EMARKS				
.m./p.m.	Tubing	Casing		On Location.							
:00				On Location.							
				Run 1" tubing do	aven backsida	of cui	efaco	nino Tag	coment 17	' dowr	١
				Run 1 tubing ac	own backside	or sur	lace	pipe. Tag	rfaco	down	
				Mix 40sks of Cor	mmon and cil	rcuiate	ea cei	ment to su	race.		
							- P-				
				Thank You!							
				Nathan W.							
	200										
		1	1	I .							



# FIELD ORDER Nº C 43670

# BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

				DATE	2	20
IS AUTHORI	ZED BY:	Sear Pedialeur	ME OF CUSTOMER)			
Address			NE OF CUSTOMEH)		State	
	Lease <u>Ulca</u>	Khall Well	l No>	Customer	Order No	
Sec. Twp. Range		Cou	inty Rice		State	rs
not to be held li implied, and no treatment is pay our invoicing de	able for any dar representations vable. There will epartment in acc	consideration hereof it is agreed that Copeland on age that may accrue in connection with said shave been relied on, as to what may be the respective be no discount allowed subsequent to such datordance with latest published price schedules. himself to be duly authorized to sign this order	ervice or treatment. Cop sults or effect of the serv te. 6% interest will be ch	peland Acid Service hat icing or treating said w arged after 60 days. T	s made no repi ell. The consid	resentation, expressed or deration of said service or
THIS ORDER MU BEFORE WORK	IST BE SIGNED IS COMMENCED	Well Owner or Operat	tor	Ву	Agen	
	T T				UNIT	
CODE	QUANTITY	DES	SCRIPTION		COST	AMOUNT
2	29	mileose pump truc	E		7 00/	100.
2	30	milease pickup			7.	60° ad
2	1	Punn Chesse- Lass	String			1,600.00
2	775	Pump Charge Lang	3		10,75/	2,418,75/
2	900+1	Salt			.75	775.001
2	100#	C-Ulp - Defacmer		***************************************	3.75/	375.00/
2	100+	C-47a - Friction Redu	and another		6 cc/8.5	850, 600 00
2	750 [‡]	Gilsonide			75	567. 50/
2	ı	Rotating Hecal Rental				250.00/
2	5	Co-trolicers - Turbo			85 00	425, 00/sel
2	٤	Bestets			155 CC1	310,001
2		51/6" Floct Shoe w/			-	355.00/
2	1	Lotch down plus ?		<del></del>		175.00
2	500				75	375.09
2	162	Mud - Flush Bulk Charge			1 25/	327. 59
7	CGC	Bulk Truck Miles 10, 83 T x 30	- 22V G T	10/	110/	357. 34/
				llons	1	33
		Process License Fee on		OTAL BILLING		2,786.14
				JIAL BILLING		5 (80.
manner u	inder the dire	material has been accepted and use ction, supervision and control of the o	owner, operator or h	is agent, whose si		
Station_C	5.0.		, h	Well Owner, Operat	or or Agent	
Remarks_		NET	30 DAYS			



ACIU	& Cemer	II AL						Acid Stage N	0.	
					Type Treatment: A	mt	Type Fluid	Sand Size	Pound	ds of Sand
Date 2	2/17/2016	District G.B.	F.O.	No. C43670	Bkdown		Type Haid			25 Or Sario
	Bear Petrole	-								
	e & No. Blackh				1					
Location			Field		A CONTRACTOR OF THE PROPERTY O					
County	Rice		State KS	Sizvani						
					1				-	
	c:	H - 0	B. d. Long of		Treated from					
Casing:				Set atft.			ft. to			
Formation			Perf.		from		ft. to	ft.	No. ft.	0
Formation	:		Perf.	to	Actual Volume of Oil / W	ater to Load Ho	le:			_ Bbl./Gal
Formation	:		Perf.	to						
Liner: Siz	zeType &	& Wt	Top at ft.	Bottom atft.	Pump Trucks. No. Us	sed: Std.	365 Sp.		Twin	
(	Cemented: Yes	Perforated f	rom	ft. toft.	Auxiliary Equipment			327		
Tubing:	Size & Wt.		Swung at	ft.	Personnel Nathan Sco	ott Mike				
	Perforated t	from	ft. to	ft.	Auxiliary Tools					_
					Plugging or Sealing Mate	rials: Type				
Open Hole	Size	T.D.	ft. P		1	-		Gals.		Ib
Company I	Representative		Dick S		Treater		Nathan '	W/		
TIME	NAME OF TAXABLE PARTY.	SSURES	I		Treater		Nathan	VV.		
.m./p.m.	Tubing	Casing	Total Fluid Pumped			REMARKS				
12:30	1 4101118	5.5"	<del> </del>	On Location.	Rig running tes	t stands	in to lovedo	1/10		
12.50		3.5		On Location.	rig running tes	st Stanus	in to lay do	wn.		
				LTD-3575'						
				Pipe-3573'	Centralize	ers-1,3,7,1	11,15			
				Baffle-3533'	Baskets-2	2,4				
					- 1000 1					
3:20				Run casing and f	oat equipment	in well.	Tag bottom	and pick	up 2'	
									-F -	
:35				Break circulation	with mud num	n Circul	ete for 30 m	ninutas		
				Dicak circulation	with maa pam	p. Circuit	ate 101 30 11	illutes.		
.05				D 5001 - 61	A d Fl d-					
5:05				Pump 500gal of I	viua Fiusn.					
$\rightarrow$										
:10				Plug rat hole witl	n 30sks. Plu	g mouse	hole with 2	0sks.		
					- Lance - Lanc					
				Mix 25sks Comm	on.				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				Mix 150sks 60/40	Opoz 2%Gel 12%	6 Salt .75°	%C-47a .75	%C-41p	5#/sk	
				Gilsonite at 15.5	t/gal.		N North Con			
					- market					
$\neg$				Displace with 84.	9bbls at 7hnm-	900		- 130 303 - 25		
:50				Plug landed at 12			Float Hold			-
-				i lug lullucu at 12	.com iteleased p	orcasule.	i loat Held.	•		
-										
-										-
$\rightarrow$										
				Thank You!			AND THE RESERVE OF THE PERSON			
				Nathan IV						



FIELD ORDER Nº C 43687

Climent Squelle perfs BOX 438 · HAYSVILLE, KANSAS 67060 316-524-1225 DATE 2-25

IS AUTHORI	ZED BY:	BEAR	Pets	oleu	M L	LC SUSTOMER)		<del></del>			
Address					City				State	8	
To Treat Well As Follows:	Lease B/	ACKh	A1)		_ Well No.	5		_ Customer	Order No		
Sec. Twp. Range					County _	Rice			State	Ks.	
not to be held li implied, and no treatment is pay our invoicing de	able for any da representations able. There wi	mage that may s have been re Il be no discou cordance with	y accrue in con elied on, as to int allowed sub latest publishe	nnection with what may be to sequent to su d price sched	said service the results o uch date. 6% dules.	or treatment. r effect of the s interest will b	Copeland Aci servicing or tro e charged afte	d Service ha	s made no repre ell. The conside	ore mentioned we esentation, expre eration of said se e subject to corre	essed or ervice or
THIS ORDER MU BEFORE WORK		)					By				
				Well Owner or	Operator				Agent		
CODE	QUANTITY				DESCRI	PTION			UNIT	AMOUN'	Т
2	30	MILEA	ge Pu	MO TR	uck				4.00	120,00	>
2	30	Miles	age Pi	cKUP	2				2.00	60.00	7
2	/	Pump	ChAL	age!					950,00	950.00	0
3	200	ACIO	Requi	AR 15	70				.75	150.00	2
3	/	CORRO	Requi	<b>Luhibi</b>	tor				4000	40.00	2
2	355X	Coni	nov u	2/1%	C-12				12.75	446.2	5
2	501bs	COMI C-12		/					6.00	300.00	
2	35 sx	Com	nov		to the total				12.75		
2-	71	D    0							125	150 00	10
7	/		ge MIN,						1.25	150,00	<u> </u>
			Miles 3.5					0	150.00 MW	150,00	NIS
		F	Process Lice	nse Fee on_			Gallons			1011	
							TOTAL B			2812.50	
l certify th manner u	at the above nder the dire	material hection, supe	rvision and	control of	the owner,	t the above operator o	service wa r his agent,	s performe whose sig	ed in a good Inature appe	and workman ars below.	like
Copeland	Representativ	e PUA	Ne,	BROZE	e K				4		
Station(	Station GT, Bend, KS Joe Burnett										
Remarks_					1000						
					NET 30	DAYS					



aciu	& Cemen	. C ACCIDATE								Acid Stage INC	·	
					Type Treatm	ient:	Amt.		Type Fluid	Sand Size	Pounc	ds of Sand
			BEND KS F.O.	No. 43867	Bkdown	16	00		15% ACID			
	BEAR PETROI											
	ne & No. BLACKH		riald		-							
County			State KANSAS		 Flush							
County	MCL		State KANSAS	,	-							
Casing:	Sizo 5.1/2	) Tuno 8, 14/4	15.5	Cot at 4t					ft. to		No. ft.	
Formation				Set atft.	fror	n			ft. to	ft. ft.	No. ft	
Formation					Actual Volun	THE RESERVE OF THE PARTY OF THE	/ Water		THE RESIDENCE OF STREET, ST. LEWIS CO., LANSING,	16.	140.11.	
			Perf.		Actual Volum	ie or on	/ water	to Load no	ne.			Bbl./Gal.
Formation			Perf.	Bottom atft.	Pump Trucks	N	a Head:	Std	365 50		Turin	
					Auxiliary Equ			Jtd		327	. 1 47111	
			Swung at		Personnel J		<b>George States</b>					
					Auxiliary Too						000000000000000000000000000000000000000	-
					Plugging or S	ealing N	laterials:	Туре				
Open Hole	e Size	T.D.	ft. P			0				Gals.		lb.
						No to Section 1						
Company	Representative		JOE BURI	NETT	Treater				DUANE			
TIME	PRES	SURES					and the second second					
a.m./p.m.	Tubing	Casing	Total Fluid Pumped					REMARKS				
430PM				ON LOC								
				RELEASE PACKER	}							
				PACKER HANGIN	NG AT 35	500"	SPO	Γ ACID	ACID SPOT	TED		
				SET PACKER AT 3	3500'							
				TREAT PERFS 3504-3506 WITH 200 GALS 15% ACID								
	1600			BROKE AT 1600# 1/4 BBL PER MINUTE								
	1000			1/2 BBL PER MINUTE AT 1000#								
	1300			1.3 BBLS PER MI	NUTE AT	130	0#					
	1400			1.5 BBLS PER MII	INUTE AT 1400#							
	1300			1.5 BBLS PER MI			0#					
	1300			ACID IN START O	VERFLU:	SH						
	1300			OVERFLUSH IN								
	600			INSTANCE SHUT	IN 600#							
				ACID JOB COMPL	ETE							
				PULL 4 JOINTS PA		T 339	96'					
				SET PACKER AT 3	396'							1000
				MIX 35SX COMM	ION WIT	H 1%	6 C-12	2				
				MIX 35 SX COMN	10N							
				START DISPLACE	MENT							
	2200			4BBLS DISPLACEN	MENT IN	220	0#					
				HOLDING RELEAS	SE PSI HO	OLDI	NG					
	2000			RELEASE PACKER	CIR CM	TOU	T OF	TUBIN	IG			
	100			TUBING CLEAR P	UMPED	25 BI	BLS T	O CLE	AR TUBING			
				PULL 5 JOINTS SET PACKER								
	500			PUT 500# ON TUBING SHUT WELL IN								
				JOB COMPLETE								
				THANK YOU								



Acid & Cement 🕾									Acid Stage No	o	
-			BEND KS F.O. I	No. 43867			Bbl./Gal.	Type Fluid 15% ACID			ds of Sand
	BEAR PETROL				- ا						
	e & No. BLACKH										
Location	DICE		Field		<u> </u>						
County	RICE		State KANSAS				_				
			3212					ft. to			
Casing:				Set atft.	1					No. ft.	
Formation				504 to 3506	from			ft. to	ft.	No. ft.	0
Formation	:		Perf.	to	Actual Volume	e of Oil / Wate	r to Load Ho	le:			Bbl./Gal.
Formation	:		Perf.	to							
							: Std	365 Sp		Twin _	
					Auxiliary Equip				327		
Tubing:	50-01-01	100	751 34 NSS 2711 10		Personnel JO		E				
	Perforated f	rom	ft. to	ft.	Auxiliary Tools						
Open Hole	Size	T.D	ft. P.	.B. toft.		aling Materials	s: Type		Gals.		lb.
Company	Representative		JOE BURI	NETT	Treater			DUANI	E		
TIME		SURES	Total Fluid Pumped				REMARKS				
a.m./p.m.	Tubing	Casing	Total Fluid Fulliped				KEWAKKS				
430PM				ON LOC							
				RELEASE PACKER	}						
				PACKER HANGIN	NG AT 35	00" SPO	T ACID	ACID SPOT	TED		
				SET PACKER AT 3	SET PACKER AT 3500'						
				TREAT PERFS 3504-3506 WITH 200 GALS 15% ACID							
	1600			BROKE AT 1600#	1/4 BBL	PER MI	NUTE	V-100			
	1000			1/2 BBL PER MIN	IUTE AT 1	1000#					
	1300			1.3 BBLS PER MI	INUTE AT 1300#						
	1400			1.5 BBLS PER MI	/INUTE AT 1400#						
	1300			1.5 BBLS PER MII	NUTE AT	1300#					
	1300			ACID IN START O	VERFLUS	Н					
	1300			OVERFLUSH IN					<del></del>		
	600			INSTANCE SHUT	IN 600#						
				ACID JOB COMPL	LETE					-	
				PULL 4 JOINTS PA		T 3396'					
				SET PACKER AT 3							
		<u> </u>		MIX 35SX COMM		H 1% C-1	2				
				MIX 35 SX COMN		1 2/0 0 2					
				START DISPLACE							
	2200			4BBLS DISPLACE		2200#					
	2200			HOLDING RELEAS				THE CONTRACTOR OF THE CONTRACT			
	2000			RELEASE PACKER			TIIRIN	IG			
	100			TUBING CLEAR P							
	100			PULL 5 JOINTS SE			TO CLE	AN TUBING			
	500						INI				
	500				PUT 500# ON TUBING SHUT WELL IN						
				JOB COMPLETE							
				THANK YOU							



# Cement Squeeze

FIELD ORDER Nº C 43859

## BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225

		310-324-17	DATE	3-1-16	20
IS AUTHOR	IZED BY:	Jerr Petroleum			
		(NAME OF CUS		State	
As Follows:	Lease <u>blc</u>	ekhell Well No. 5	>	Customer Order No	
Sec. Twp. Range		County R	ice	State	3
ot to be held I nplied, and no reatment is pa ur invoicing d	liable for any da representations yable. There will epartment in acc	consideration hereof it is agreed that Copeland Acid Sermage that may accrue in connection with said service or have been relied on, as to what may be the results or elbe no discount allowed subsequent to such date. 6% in ordance with latest published price schedules. himself to be duly authorized to sign this order for well	r treatment. Copeland Aci iffect of the servicing or tre nterest will be charged afte	d Service has made no repretating said well. The consid	esentation, expressed eration of said service
	UST BE SIGNED IS COMMENCED		By		
	T	Well Owner or Operator		Agent	T
CODE	QUANTITY	DESCRIPT	ION	UNIT	AMOUNT
2	35	milecse pump truck		4.00/	140.09
2	35	milecse pickup		2.00/	70,09
		,			
2	1	Pung Charge - Squeeze			950,99
2	50	Conna		(7.75/	637.59
2	50 B	C-17		6.04	300,00
					500
3	700	15% Res. Acid		.75	150,00
3	1	Inhibiter			40.47
2	50	Bulk Charge		p= 12	150.
2		Bulk Truck Miles 7.387 X 35 - 83	30 T- X 1,10/	min.	150,09
		Process License Fee on	Gallons		7,587.50
104 100 0			TOTAL B	ILLING	2007.501
manner u	nder the dire	material has been accepted and used; that ction, supervision and control of the owner, on the owner, or the owner,	operator or his agent,	whose signature appe	
Station	6.0		Vell C	Swner, Operator or Agent	
Remarks_		NET 30 D			
		INE I 30 D	AIJ		



nciu	& Cemei	IL ESS						Acid Stage N	o	
					Type Treatment:	Amt.	Type Fluid	Sand Size	Pound	ds of Sand
Date	1/16/2016	District G.B.	F.O.	No. C43859	Bkdown	Bbl./Gal.				
	Bear Petrol									
Well Nam	e & No. Blackh	nall #5								
Location			Field			Bbl./Gal.				
County			State		Flush	Bbl./Gal.				
					Treated from		ft. to	ft.	No. ft.	0
Casing:	Size 5.5	Type & W	t	Set at ft.			ft. to		0.00	0
Formation				to						0
Formation	n:		Perf.	to		il / Water to Load Ho				Bbl./Gal.
Formation			Perf.		1				Transfer Land	
				Bottom atft.	Pump Trucks. N	lo. Used: Std.	365 Sp.		Twin	
						t		327	_	
			Swung at		Personnel Nathar					
	Perforated		ft. to		Auxiliary Tools					
				The last of the second	Plugging or Sealing	Materials: Type				
Open Hole	Size	T.D.	ft. P		1	_				lb.
-										
Company	Representative		Dick S		Treater		Nathan	W.		
TIME		SSURES	T				- 10			
.m./p.m.	Tubing	Casing	Total Fluid Pumped			REMARKS				
5:00	2.5"	5.5"		On Location.						
		1								
				Packer-3496'						
		1		Perfs-3496'-3500	)1					
		<del> </del>	<del> </del>	1 6113-3430 -3300	,	(**************************************				
		<u> </u>	-	Pump 200gal 159	/ Pog Asid					
			-	Fullip 200gal 157	neg. Acia.		****			
			-	T 1b 1	100# Flb.		f VCIt			
			-	Treat at 4bpm-14	400# Flush V	WITH ZUDDIS C	of KCL wate	r.		
			-							
				Packer-3401'						
				Load annulus to	400#	*****				
				Mix 25sks Comm	on with C-12	2				
				Mix 25sks of Con	nmon.	0.510-110-0.5-0.5-0.5-0.5-0.5-0.5-0.5-0.5-0.5-0.				
				Displace with 9bl	ols at 2500#					
				Released packer	and reverse	out with 30k	obls			
				· · · · · · · · · · · · · · · · · · ·						
				Pull 5jts and pres	sure up to 5	00#				
				Shut in.						
-			1							
				Thank You!						
			<del>                                     </del>	mank rou:						
-			<del>                                     </del>	Nathan W.						
1		L		ivatilali VV.						



Prepared For: Bear Petl. Inc.

> P.O.Box 438 Haysville KS 67060

ATTN: Jim Musgrove

# Blackhall #5

# 5-21s-8w Rice,KS

Start Date: 2016.02.16 @ 09:04:57 End Date: 2016.02.16 @ 16:21:57 Job Ticket #: 57936 DST #: 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.17 @ 17:00:22



Bear Petl. Inc.

5-21s-8w Rice, KS

P.O.Box 438 Haysville KS 67060 Blackhall #5

Job Ticket: 57936

DST#: 1

ATTN: Jim Musgrove

Test Start: 2016.02.16 @ 09:04:57

# GENERAL INFORMATION:

Formation: **Arbuckle** 

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

Time Tool Opened: 11:31:12 Time Test Ended: 16:21:57

Interval:

Unit No:

Gary Pevoteaux

Tester:

3436.00 ft (KB) To 3443.00 ft (KB) (TVD)

Reference Elevations:

1664.00 ft (KB) 1654.00 ft (CF)

Total Depth: 3443.00 ft (KB) (TVD)

KB to GR/CF:

10.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 9124 Outside

Press@RunDepth: 47.94 psig @ 3437.00 ft (KB) End Date:

Capacity: Last Calib.: 8000.00 psig

Start Date: 2016.02.16 Start Time: 09:05:02 2016.02.16 16:21:56

Time On Btm:

2016.02.16 2016.02.16 @ 11:30:57

End Time:

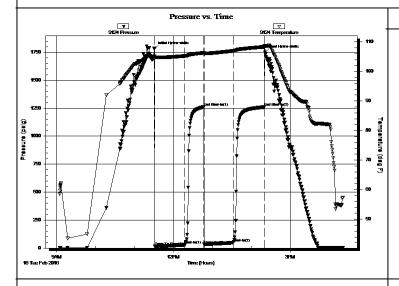
Time Off Btm: 2016.02.16 @ 14:21:27

TEST COMMENT: IF: Weak to fair blow. Slow increase to 8".

ISI:No blow.

FF:Weak to fair blow . Slow increase to 9 1/2".

FSI:Weak blow . 1/4".



## PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1780.01	105.17	Initial Hydro-static
1	16.35	104.42	Open To Flow (1)
46	28.84	105.20	Shut-In(1)
76	1260.72	106.28	End Shut-In(1)
77	32.62	105.96	Open To Flow (2)
122	47.94	106.93	Shut-In(2)
169	1259.63	108.29	End Shut-In(2)
171	1750.52	108.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	135 ft.of GIP	0.00
55.00	Clean oil	0.77
42.00	OCWM 4%o 44%w 52%m	0.59

#### Gas Rates

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

Printed: 2016.02.17 @ 17:00:22 Trilobite Testing, Inc. Ref. No: 57936



Bear Petl. Inc.

Blackhall #5

Haysville KS 67060

P.O.Box 438

Job Ticket: 57936

DST#: 1

ATTN: Jim Musgrove

5-21s-8w Rice, KS

Test Start: 2016.02.16 @ 09:04:57

**GENERAL INFORMATION:** 

Formation: **Arbuckle** 

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial) Time Tool Opened: 11:31:12 Tester: Gary Pevoteaux Time Test Ended: 16:21:57

Unit No:

Interval: 3436.00 ft (KB) To 3443.00 ft (KB) (TVD) Reference Elevations: 1664.00 ft (KB)

Total Depth: 3443.00 ft (KB) (TVD) 1654.00 ft (CF)

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

Serial #: 6798 Inside

Press@RunDepth: 3437.00 ft (KB) 8000.00 psig psig @ Capacity:

Start Date: 2016.02.16 End Date: 2016.02.16 Last Calib.: 2016.02.16

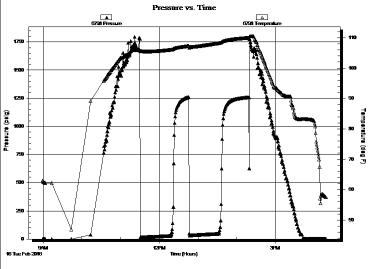
Start Time: 08:59:36 End Time: Time On Btm: 16:18:30 Time Off Btm:

TEST COMMENT: IF: Weak to fair blow. Slow increase to 8".

ISI:No blow.

FF:Weak to fair blow . Slow increase to 9 1/2".

FSI:Weak blow . 1/4".



PRESSURE SUM	MMARY
--------------	-------

,	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
,				
		1		

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	135 ft.of GIP	0.00
55.00	Clean oil	0.77
42.00	OCWM 4%o 44%w 52%m	0.59

#### Gas Rates

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

Printed: 2016.02.17 @ 17:00:22 Trilobite Testing, Inc. Ref. No: 57936



**TOOL DIAGRAM** 

Bear Petl. Inc.

5-21s-8w Rice, KS

P.O.Box 438

Blackhall #5

Haysville KS 67060

Job Ticket: 57936 **DST#:1** 

ATTN: Jim Musgrove

Test Start: 2016.02.16 @ 09:04:57

**Tool Information** 

Drill Pipe: Length: 3448.00 ft Diameter:
Heavy Wt. Pipe: Length: 0.00 ft Diameter:
Drill Collar: Length: 0.00 ft Diameter:

 8.00 ft
 Diameter:
 3.80 inches Volume:
 48.37 bbl

 0.00 ft
 Diameter:
 0.00 inches Volume:
 0.00 bbl

 0.00 ft
 Diameter:
 0.00 inches Volume:
 0.00 bbl

Total Volume:

48.37 bbl

Tool Weight: 24000.00 lb Weight set on Packer: 25000.00 lb

Drill Pipe Above KB: 32.00 ft

Weight to Pull Loose: 73000.00 lb Tool Chased 0.00 ft

Depth to Top Packer: 3436.00 ft
Depth to Bottom Packer: ft

String Weight: Initial 59000.00 lb

Depth to Bottom Packer: ft Interval between Packers: 7.00 ft

Final 60000.00 lb

Tool Length: 27.00 ft
Number of Packers: 2

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3417.00		
Shut In Tool	5.00			3422.00		
Hydraulic tool	5.00			3427.00		
Packer	4.00			3431.00	20.00	Bottom Of Top Packer
Packer	5.00			3436.00		
Stubb	1.00			3437.00		
Recorder	0.00	9124	Outside	3437.00		
Recorder	0.00	6798	Inside	3437.00		
Perforations	1.00			3438.00		
Bullnose	5.00			3443.00	7.00	Bottom Packers & Anchor

Total Tool Length: 27.00

Trilobite Testing, Inc Ref. No: 57936 Printed: 2016.02.17 @ 17:00:22



**FLUID SUMMARY** 

Bear Petl. Inc. 5-21s-8w Rice, KS

P.O.Box 438 Blackhall #5

Haysville KS 67060 Job Ticket: 57936 DST#: 1

ATTN: Jim Musgrove Test Start: 2016.02.16 @ 09:04:57

## **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil API: 39.8 deg API 18500 ppm

Mud Weight: Cushion Length: 9.00 lb/gal Water Salinity: ft

Viscosity: 61.00 sec/qt Cushion Volume: bbl

Water Loss: 9.19 in³ Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: 0.20 inches

# **Recovery Information**

## Recovery Table

	Length ft	Description	Volume bbl	
0.00		135 ft.of GIP	0.000	
	55.00	Clean oil	0.772	
	42.00	OCWM 4%o 44%w 52%m	0.589	

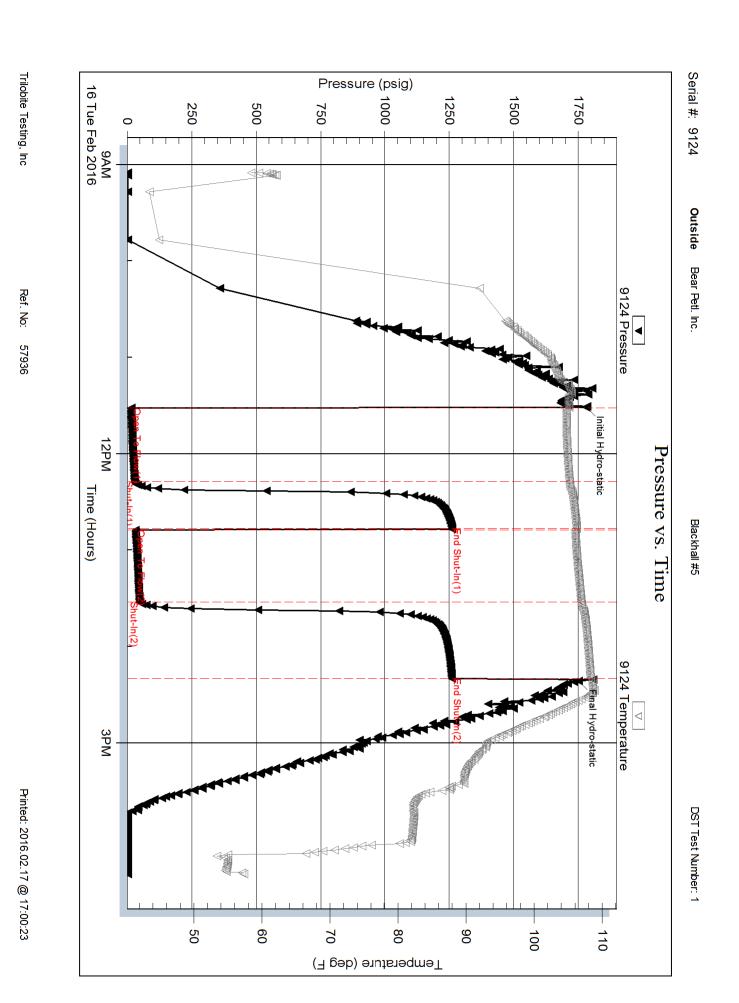
Total Length: 97.00 ft Total Volume: 1.361 bbl

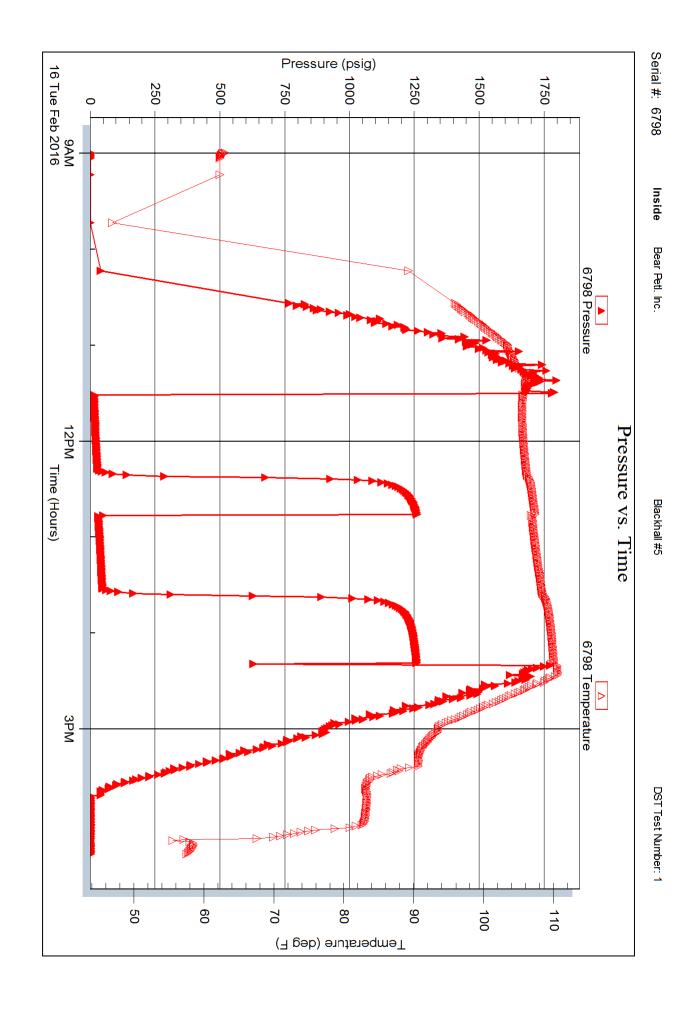
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .43ohms@ 55deg

Printed: 2016.02.17 @ 17:00:23 Trilobite Testing, Inc Ref. No: 57936





Trilobite Testing, Inc

Ref. No:

57936

Printed: 2016.02.17 @ 17:00:23

# RILOBITE ESTING INC. 1515 Commerce Parkway • Hays, Kansas 67601

**Test Ticket** 

NO.

57936

Well Name & No. BLACKH	MU#5		Test No	Da	ate 2 - 16	-16
Company BEAR PETI		c.	Elevation	1664	KB_ 1659	4 GL
	438, HAY		.67060			
Co. Rep / Geo. 5xm				I XIZICK	DRLG.#10	6
Location: Sec5	Twp. 215	Rge. 8 W	Co. Rzce			s ,
Interval Tested 3430	A STATE OF THE STA		ARBUCKL	رو.		
Anchor Length	7'	_ Drill Pipe Run	344	8 . Mud	1Wt 9.4	
Top Packer Depth	3431				61	
Bottom Packer Depth	31131	Wt. Pipe Run		O WL	9.200	
Total Depth	3443	Chlorides	6,000 ppm	System LCN	1_=	
Blow Description IF: W	eals to frain !					Jour
watesovy (4700 0 kTry (2001	O					
FF: Weak to fair	Ulow . Slow	increase to	9/2". F	SI Wed	be blow.	/4".
O. C.			100			
Rec 35 Feet of	Gres in pipe	2	%gas	%oil	%water	%mud
	Clean ail		%gas	%oil	%water	%mud
Rec 42 Feet of C			%gas	4 %oil 44	\ %water 5	2 %muc
			%gas	%oil	%water	%mud
RecFeet of			%gas	%oil	%water	%mud
Rec Total 97 Flux		Gravity 39.8				
(A) Initial Hydrostatic					on 0755	
(B) First Initial Flow		□ Jars			0904	
(C) First Final Flow	20	☐ Safety Joint		T-Open	1131	
(D) Initial Shut-In	1261	☐ Circ Sub		T-Pulled	1422	
(E) Second Initial Flow	22	☐ Hourly Standby		T-Out	1621	
(F) Second Final Flow	110	Mileage 12		Comments		
(G) Final Shut-In	1260					
(H) Final Hydrostatic	1751	☐ Sampler		220		-
(11) I mai riyurostatic				- Hamed	Shale Packer	
Initial Open	5			- 11011100	Packer	
	30			- Land o	opies	
Final Flow Day Standby						
U.S.						
, mai onot in					Disc't	
	0 10			1		
Approved By  Trilobite Testing Inc. shall not be liable for dama	ger of any kind of the property o		ur Representative		THE RESERVE OF THE PARTY OF THE	b the use of its