

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1088238

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		
Address 2:	Feet from		
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.xxxxxx) (e.gxxx.xxxxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:		
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt. Drilling Fluid Management Plan		
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)		
Commingled Permit #: Dual Completion Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:		
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:		
ENHR Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:		

AFFIDAVIT

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

Submitted Electronically

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

Page Two



Operator Name:			Lease Name: _			Well #:		
Sec Twp	S. R	East West	County:					
open and closed, flow and flow rates if gas t	ving and shut-in presson to surface test, along w	formations penetrated. I ures, whether shut-in pro vith final chart(s). Attach	essure reached stati n extra sheet if more	c level, hydrosta space is neede	itic pressures, bott d.	tom hole tempe	erature, fluid r	recovery,
		otain Geophysical Data a or newer AND an image		egs must be ema	ailed to kcc-well-lo	gs@kcc.ks.gov	n. Digital elec	tronic log
Drill Stem Tests Taken (Attach Additional	•	Yes No		_	on (Top), Depth ar		Samp	
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	e		Тор	Datur	m
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING	RECORD Ne	ew Used				
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and P Additiv	
		ADDITIONAL	OFMENTING / OOL					
Purpose:	Depth		CEMENTING / SQL	JEEZE RECORD		araant Additiraa		
Perforate	Top Bottom	Type of Cement	# Sacks Used	Used Type and Percent Additives				
Protect Casing Plug Back TD								
Plug Off Zone								
Did vou perform a hydra	ulic fracturing treatment o	on this well?		Yes	No (If No, ski	p questions 2 ar	nd 3)	
	=	raulic fracturing treatment ex	xceed 350,000 gallons			p question 3)	,	
Was the hydraulic fractu	ring treatment information	n submitted to the chemical	disclosure registry?	Yes	No (If No, fill	out Page Three	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Per			cture, Shot, Cement			Depth
	Сроспу Г	octago of Laon morvar rol	ioratou	(>1	mount and rand or ma	teriar Good)		Борит
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No			
Date of First, Resumed	Production, SWD or EN							
Fotimeted Day 1 . C	0" -	Flowing			Other (Explain)) O" D "		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf Wate	er B	bls. G	Gas-Oil Ratio	Gr 	ravity
DISPOSITI	ON OF GAS:	1	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:	
Vented Sold		Open Hole	Perf. Dually	Comp. Con	mmingled			
	bmit ACO-18.)	Other (Specify)	(Submit)	ACO-5) (Sub	omit ACO-4)			

QUALITY WELL SERVICE, INC. Federal Tax I.D. # 481187368

5545

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410 Office / Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

	Sec.	Twp.	Range		County	State	On Location	Finish	
Date 6-6-12	16	14	16	1	1.5	KS		4:30am	
Lease Stoppel	V	Vell No. /	6-1	Location	on walker	ks 35 1/2	W Nito		
Contractor Integrity	na		110	Owner					
Type Job Surface					You are here	ell Service, Inc. by requested to rent	cementing equipmen	t and furnish	
Hole Size 12/4 T.D. 2/4				cementer an	d helper to assist owr	ner or contractor to d	o work as listed.		
Csg. 85/8		Depth	201		Charge PF	eifer Explore	ation's		
Tbg. Size		Depth			Street				
Tool		Depth	DESCRIPTION OF THE PROPERTY OF	ALE	City		State		
Cement Left in Csg. / SF	+	Shoe Jo	pint		The above wa	s done to satisfaction an	d supervision of owner	agent or contractor.	
Meas Line		Displac	e 12.8		Cement Amo	ount Ordered 50 s	ix com 3%	C2º/ogel	
	EQUIPN	MENT						0	
Pumptrk No. 6	1000		Richard		Common	50	in Autottompha	duede	
Bulktrk No. 9			Hearth		Poz. Mix				
Bulktrk No.	-				Gel. 3	facility to the state of the st	British Gulder	1590 2	
Pickup No.		- IVIII			Calcium 5				
JOB SEI	RVICES	& REMA	RKS		Hulls		The state of the s		
Rat Hole					Salt				
Mouse Hole					Flowseal				
Centralizers		Th. 2011			Kol-Seal				
Baskets					Mud CLR 48				
D/V or Port Collar					CFL-117 or (CD110 CAF 38			
Ran 5 Jts of	85/8	casin	a landine	17-	Sand		1		
					Handling 58				
Est Circulati	ion	with.	mud pu	mo	Mileage 5	•			
The same of the sa	THE SHIP	LI CISSHI NO	neo recent fra	-	In second pro-	FLOAT EQUIPME	ENT		
Hooked up ons	mik	red 1	505× and	Q	Guide Shoe				
Disp 12.8 bbl Ha	20 -	Shu-	+ in @ 34	posi	Centralizer				
4				r	Baskets				
					AFU Inserts		<u> </u>		
Cement D.Q C	ircu	late			Float Shoe				
111					Latch Down				
1 The	ank	You!			Pumptrk Cha	rge Surface			
Non Warris					Mileage 5				
70							Tax		
		4					Discount		
X Signature	18 Te.	12 19 1	400				Total Charge		
								Taylor Printing, Inc.	

QUALITY WELL SERVICE, INC. Federal Tax I.D. # 481187368

5584

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410 Office / Fax 620-672-3663

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

	Sec.	Twp.	Range		county	State	On Location	Finish	
Date -//-/2	16	14	16	F	-//45	25		3:60 pm	
Lease Stoppe Well No. / Location					ion walker us 35 1/2W Nito				
Contractor Integrity	Mine	1	mil be	Owner					
Type Job & Long String				orga Hair		ell Service, Inc.	cementina equipmen	t and furnish	
Hole Size		T.D.	3508	The 944	cementer an	d helper to assist owr			
Csg. 5/2		Depth	3564		Charge P.C.	eifer Explore	Lions		
Tbg. Size	714 311	Depth			Street			a diam	
Tool		Depth	1200 11000	end of	City	t ete Bustinia dell'. L	State		
Cement Left in Csg. 42.5		Shoe Jo	oint			s done to satisfaction ar	d supervision of owner	agent or contractor.	
Meas Line		Displac	e 82.6 bb	1	-	- 4	ox mult Dens		
	EQUIPN	MENT			200sx 8	200-C			
Pumptrk No. 8	11819	(de la constante de la consta	Douid.		Common		CONTRACTOR OF THE	Alaki.	
Bulktrk No. 5			mike.		Poz. Mix				
Bulktrk No. 4	erbes	une ton	Sean		Gel.		· Marine		
Pickup No.	MAID I C	IK) yrit			Calcium 9				
JOB SEF	RVICES	& REMA	RKS		Hulls	on a series of continue		#1	
Rat Hole 30sy	eitinen				Salt 17			*	
Mouse Hole					Flowseal				
Centralizers					Kol-Seal				
Baskets					Mud CLR 48			7	
D/V or Port Collar					CFL-117 or 0	CD110 CAF 38			
Ran 83 Hs of	5/2 c	asin	a 14# and	Q	Sand		Q	4	
est circulation	ا بي	th i	mud pu	mp	Handling 6	37		j*	
and Circulated	for	lbr	-	. '	Mileage 15	* 10 X THE 1		1	
- Sales and the sales				and the co	The second second	FLOAT EQUIPME	NT		
Hooked up and	m'x	red 30	OSX in Rt	+	Guide Shoe	5/2 Float	Shoe		
					Centralizer	9-51/20	ent		
Hooked up to 5	1/20	ens	mi red 40	05X	Baskets	3-5/2 8	asket's		
Multi Dens and +	aile	din	w.4h 21	×20c	AFU Inserts				
com - knocked 10	Se a	nd u	Ja Shed p	amp	Float Shoe				
and lines clean	and	1 8.50	82.6 bb	1	Latch Down	5/2 late	hdown		
of 420 slug 10	8 6	1500ps.			Plate				
7 7 200									
and the same of the					Pumptrk Cha	rge Long String			
and the reservoire of					Mileage 5				
1		T	tank You	1.4			Tax		
(.)	1	. 0					Discount		
Signature / CAA	R. 11	1 3	167				Total Charge		
7	///							Taylor Printing, Inc.	

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



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

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

July 27, 2012

Jacob Pfeifer Pfeifer Explorations, LLC 309 W. 40TH HAYS, KS 67601

Re: ACO1 API 15-051-26318-00-00 Stoppel 16-1 SE/4 Sec.16-14S-16W Ellis 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, Jacob Pfeifer

16-14s-16w

Stoppel #16-1

Arbuckle

Pfeifer Explorations LLC



DRILL STEM TEST REPORT

Prepared For: Pfeifer Explorations LLC

309 W 40th Hays KS 67601

ATTN: Jacob Pfeifer

Stoppel #16-1

16-14s-16w

Start Date: 2012.06.10 @ 17:50:44 End Date: 2012.06.11 @ 01:44:14 Job Ticket #: 47782 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Pfeifer Explorations LLC

16-14s-16w

Tester:

Unit No:

309 W 40th Hays KS 67601 Stoppel #16-1

Job Ticket: 47782

DST#:1

1869.00 ft (CF)

ATTN: Jacob Pfeifer

Test Start: 2012.06.10 @ 17:50:44

Jeff Brown

44

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 19:52:14 Time Test Ended: 01:44:14

Interval: 3378.00 ft (KB) To 3394.00 ft (KB) (TVD) Reference E

Total Depth: 3508.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1878.00 ft (KB)

KB to GR/CF: 9.00 ft

Serial #: 8321 Inside

Press @ RunDepth: 149.15 psig @ 3381.00 ft (KB) Capacity: 8000.00 psig

Time

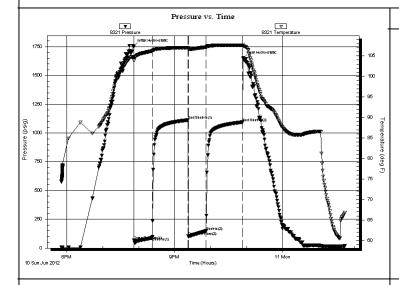
 Start Date:
 2012.06.10
 End Date:
 2012.06.11
 Last Calib.:
 2012.06.11

 Start Time:
 17:50:45
 End Time:
 01:44:14
 Time On Btm:
 2012.06.10 @ 19:51:44

 Time Off Btm:
 2012.06.10 @ 22:54:14

TEST COMMENT: IFP-Good blow BOB in 9 1/2 min

ISI-Weak surface blow back built to 2 3/4 FFP-Good blow BOB in 14 1/4 min FSI-Weak surface Blow back built to 2 1/4



(Min.)	(psig)	(deg F)	
0	1751.39	104.64	Initial Hydro-static
1	68.32	103.86	Open To Flow (1)
31	97.20	106.19	Shut-In(1)
91	1111.99	106.99	End Shut-In(1)

Temp

PRESSURE SUMMARY

Annotation

91 | 101.87 | 106.73 | Open To Flow (2) 121 | 149.15 | 107.12 | Shut-ln(2) 182 | 1093.69 | 107.58 | End Shut-ln(2) 183 | 1649.05 | 107.59 | Final Hydro-static

Pressure

Recovery

Length (ft)	Description	Volume (bbl)
52.00	GOCM 10%G 10%O 80%M	0.73
310.00	Gassy Oil 20%G 80%O	4.35
0.00	186-GIP	0.00
-		

Gas Rates

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

Trilobite Testing, Inc Ref. No: 47782 Printed: 2012.06.14 @ 09:26:05



Pfeifer Explorations LLC

16-14s-16w

309 W 40th

Stoppel #16-1

Hays KS 67601

Job Ticket: 47782 DST#: 1

ATTN: Jacob Pfeifer Test Start: 2012.06.10 @ 17:50:44

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 19:52:14 Tester: Jeff Brown Time Test Ended: 01:44:14 44

Unit No:

Interval: 3378.00 ft (KB) To 3394.00 ft (KB) (TVD) Reference Elevations: 1878.00 ft (KB) Total Depth: 3508.00 ft (KB) (TVD)

1869.00 ft (CF)

7.88 inches Hole Condition: Good KB to GR/CF: Hole Diameter: 9.00 ft

Serial #: 8679 Below (Straddle)

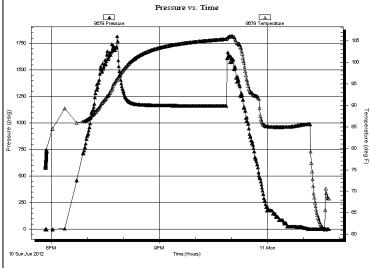
Press@RunDepth: 3411.00 ft (KB) psig @ Capacity: 8000.00 psig

Start Date: 2012.06.10 End Date: 2012.06.11 Last Calib.: 2012.06.11

Start Time: 17:50:14 End Time: Time On Btm: 01:42:13 Time Off Btm:

TEST COMMENT: IFP-Good blow BOB in 9 1/2 min

ISI-Weak surface blow back built to 2 3/4 FFP-Good blow BOB in 14 1/4 min FSI-Weak surface Blow back built to 2 1/4



Р	RESSI	JRE	SUMMAR	RY

_				
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temp				
eratu				
Temperature (deg F)				
g F)				

Recovery

Description	Volume (bbl)
GOCM 10%G 10%O 80%M	0.73
Gassy Oil 20%G 80%O	4.35
186-GIP	0.00
	GOCM 10%G 10%O 80%M Gassy Oil 20%G 80%O

Gas Rates

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

Trilobite Testing, Inc. Ref. No: 47782 Printed: 2012.06.14 @ 09:26:05



Pfeifer Explorations LLC

16-14s-16w

309 W 40th

Stoppel #16-1

Hays KS 67601

Job Ticket: 47782 **DST#:1**

ATTN: Jacob Pfeifer Test Start: 2012.06.10 @ 17:50:44

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 19:52:14

Tester: Jeff Brown
Time Test Ended: 01:44:14

Unit No: 44

Interval: 3378.00 ft (KB) To 3394.00 ft (KB) (TVD)

Total Depth: 3508.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1878.00 ft (KB)

1869.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8737 Outside

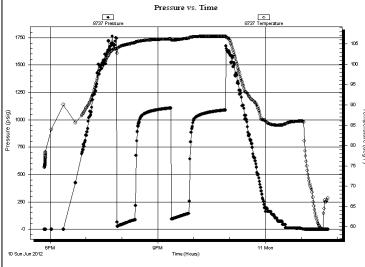
 Press@RunDepth:
 psig
 @
 3381.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2012.06.10 End Date: 2012.06.11 Last Calib.: 2012.06.11

Start Time: 17:50:30 End Time: 01:43:59 Time On Btm: Time Off Btm:

TEST COMMENT: IFP-Good blow BOB in 9 1/2 min

ISI-Weak surface blow back built to 2 3/4 FFP-Good blow BOB in 14 1/4 min FSI-Weak surface Blow back built to 2 1/4



	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation							
Temperat											
Temperature (deg F)											
_											

Recovery

Length (ft)	Description	Volume (bbl)
52.00	GOCM 10%G 10%O 80%M	0.73
310.00	Gassy Oil 20%G 80%O	4.35
0.00	186-GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 47782 Printed: 2012.06.14 @ 09:26:05



Total Volume:

TOOL DIAGRAM

Pfeifer Explorations LLC

16-14s-16w

309 W 40th Hays KS 67601 Stoppel #16-1 Job Ticket: 47782

DST#: 1

ATTN: Jacob Pfeifer

Test Start: 2012.06.10 @ 17:50:44

Tool Information

Drill Collar:

Drill Pipe: Length: 3373.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter:

3.80 inches Volume: 2.70 inches Volume: 0.00 ft Diameter: 2.25 inches Volume: 47.31 bbl 0.00 bbl 0.00 bbl

47.31 bbl

Tool Weight: 2400.00 lb Weight set on Packer: 24000.00 lb

Weight to Pull Loose: 62000.00 lb Tool Chased 0.00 ft

String Weight: Initial 49000.00 lb Final 50000.00 lb

Drill Pipe Above KB: 23.00 ft Depth to Top Packer: 3378.00 ft

Length:

Depth to Bottom Packer: 3394.00 ft Interval between Packers: 16.00 ft Tool Length:

158.00 ft

3 Diameter: 6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3351.00		
Shut In Tool	5.00			3356.00		
Hydraulic tool	5.00			3361.00		
Jars	5.00			3366.00		
Safety Joint	3.00			3369.00		
Packer	4.00			3373.00	28.00	Bottom Of Top Packer
Packer	5.00			3378.00		
Stubb	1.00			3379.00		
Perforations	2.00			3381.00		
Recorder	0.00	8321	Inside	3381.00		
Recorder	0.00	8737	Outside	3381.00		
Perforations	9.00			3390.00		
Blank Off Sub	1.00			3391.00		
Stubb	3.00			3394.00	16.00	Tool Interval
Packer	1.00			3395.00		
Stubb	1.00			3396.00		
Perforations	14.00			3410.00		
Change Over Sub	1.00			3411.00		
Recorder	0.00	8679	Below	3411.00		
Drill Pipe	93.00			3504.00		
Change Over Sub	1.00			3505.00		
Bullnose	3.00			3508.00	114.00	Bottom Packers & Anchor

Total Tool Length: 158.00

Trilobite Testing, Inc. Ref. No: 47782 Printed: 2012.06.14 @ 09:26:06



FLUID SUMMARY

Pfeifer Explorations LLC

16-14s-16w

309 W 40th

Stoppel #16-1

Hays KS 67601

Job Ticket: 47782

DST#:1

ATTN: Jacob Pfeifer

Test Start: 2012.06.10 @ 17:50:44

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:33 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:55.00 sec/qtCushion Volume:bbl

in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: ppm Filter Cake: inches

Recovery Information

Water Loss:

Recovery Table

Length ft	Description	Volume bbl
52.00	GOCM 10%G 10%O 80%M	0.729
310.00	Gassy Oil 20%G 80%O	4.348
0.00	186-GIP	0.000

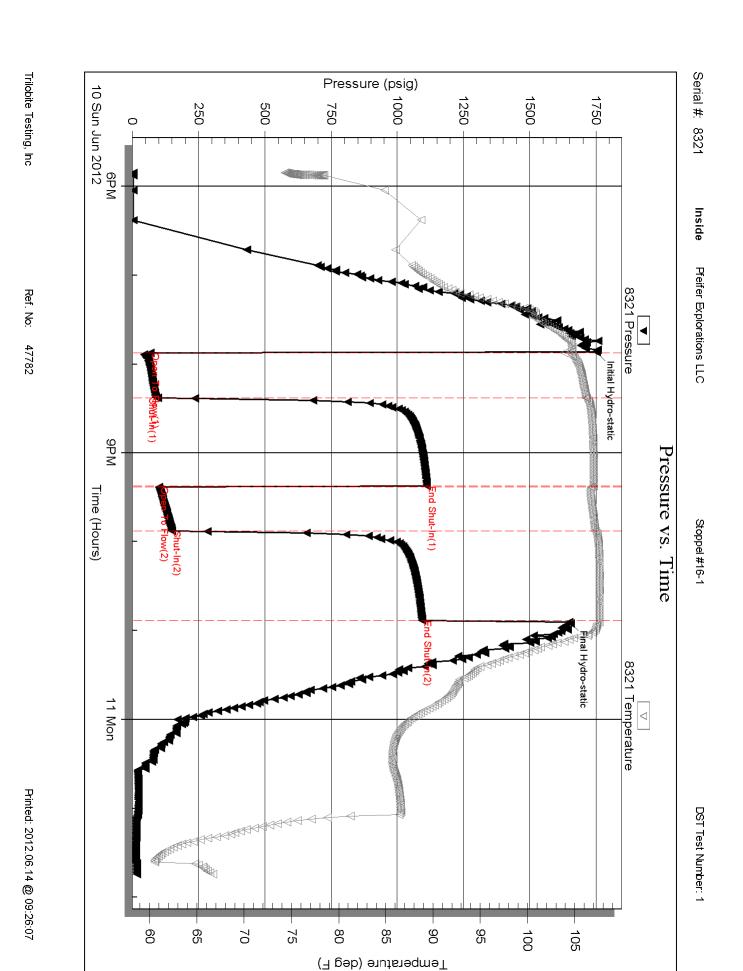
Total Length: 362.00 ft Total Volume: 5.077 bbl

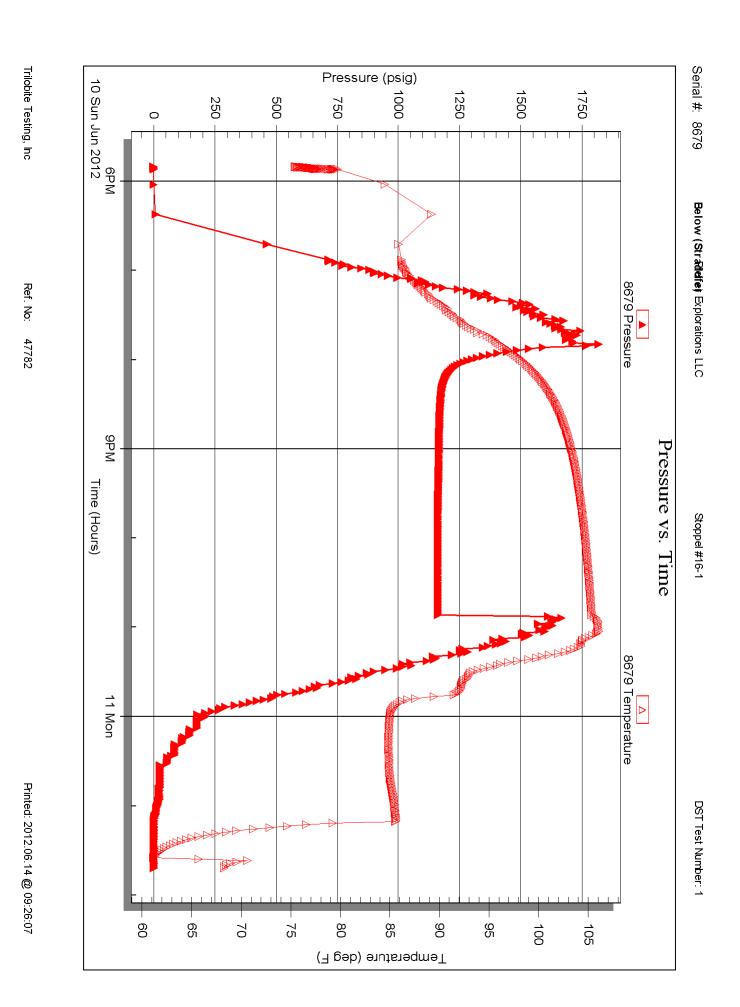
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

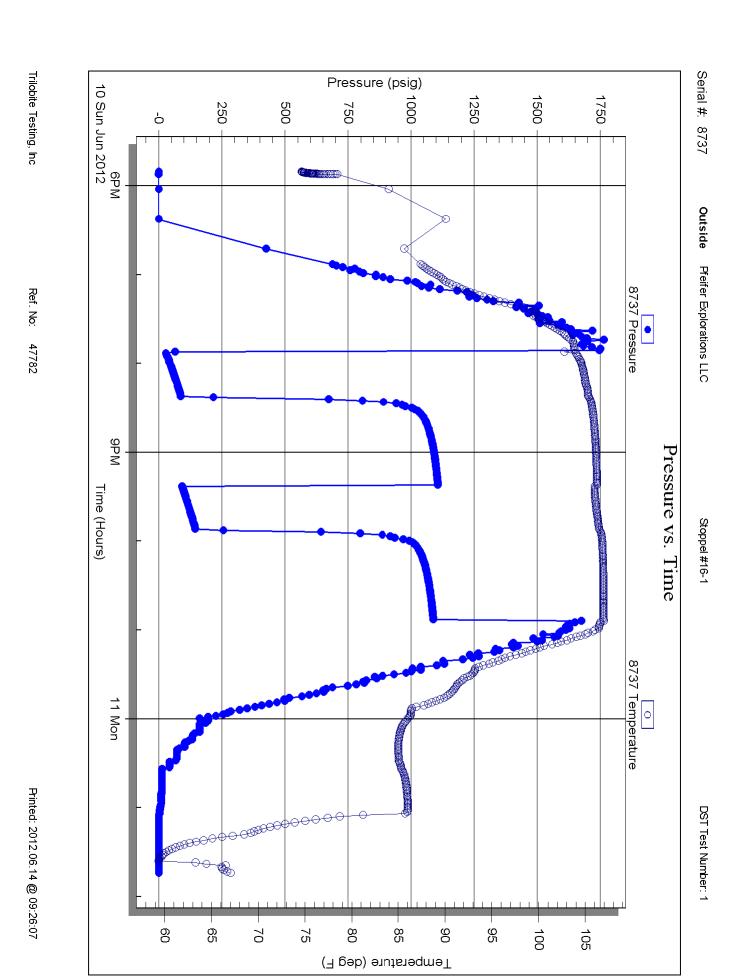
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 47782 Printed: 2012.06.14 @ 09:26:06









RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47782

Rec 310 Feet of 20 32 30 30 30 30 30 30	4/10 · M. Carles					
Company Sec. Sec. Explositions LCC Elevation 1878 KB 18409 GL Address 200 M 40 Th. Halvs Ks 474ccl Co. Rep / Geo. Roser Moses File TNTEqxi ty Dr. If his Location: Sec. 11/6 Two 1/5 Rge. 11/6 Co. ELLis State KS Interval Tested 3 3 7 8 - 33 9 4 Anchor Length 16 Anchor 11/4 Tail. Drill Pipe Run 22/7 3 Mud Wt. 5/2 Top Packer Depth 33 7 3 Drill Collars Run D Vis 5/5 Bottom Packer Depth 33 7 3 Wt. Pipe Run D WL. Total Depth 33 7 3 Drill Collars Run D WL. For Lisch Surface You Back Built To 2 3/4 TN File Cook Block Bob TN 9 / 2 min To 2 3/4 TN File Cook Block Bob TN 14 / 4 TN File Cook Bob TN 14 / 4 TN File The This This This India Share TN 14 / 4 TN File This This This This India Share TN 14 / 4 TN File This This This This This This This This	Well Name & No. STOPPel 120-		Test No	<i>i</i>	Date 6-10 -	12
Address 309 V 40 TX Hays Ks 47260 Co. Rep / Geo. Roger Moses Rig TNTegcity Diriling Location: Sec. I						
Co. Rep / Geo. Roger Moses Location: Sec. 1/2 Twp. 14's Rge. 1/2 Co. FLL's State KS Interval Tested 3378-3394 Anchor Length 1/2 Anchor 1/4 Ta'.L Dill Pipe Run 33.73 Mud Wt. 5'.3 Top Packer Depth 33.73 Mud Wt. 5'.3 Top Packer Packer Packer Depth 33.73 Mud Wt. 5'.3 Top Packer Pac						
Interval Tested 33 38 33 34	/			city Dril	ling	
Anchor Length 116 Anchor 114 Ta 12 Drill Pipe Run 3373 Mud Wt. 97 Top Packer Depth 3373 Drill Collars Run 0 Vis 55 Bottom Packer Depth 3373 Wt. Pipe Run 0	Location: Sec. 110 Twp. 143	Rge. 16 W	Co. FLLIS	7.)	State _ K	2
Drill Collars Run Drill Run Dril	Interval Tested 3378 - 3394	Zone Tested A	Buckle			
Bottom Packer Depth 3373 Wt. Pipe Run D WL. Total Depth 3374 3508 Chlorides ppm System LCM Blow Description (Free S) Blow Bob TN 9/2 m/n The Weak Surface Now Back BuilT TO 2 3/4 TN Hit Cook Blow Bab TN 14 14 TN FIT Weak Surface Blow Back BuilT TO 2 1/4 TN FIT Weak Surface Blow Back BuilT TO	Anchor Length 1/2 Anchor 114' Ta	C Drill Pipe Run	3373	Mu	id Wt 9.3	
Total Depth 3508 Chlorides ppm System LCM Blow Description Iff Cool Blow Bob IN 9 / 2 m in IFF Week Surface Blow Bock Buil T To 2 3/4 IV IFF Cool Blow Bob IN 9 / 2 m in IFF Cool Blow Bob IN 14 / 4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF Cool Blow Bock Buil T To 2 1/4 IV IFF COOL Blow Bock Buil T To 2 1/4 IV IFF COOL Blow Bock Buil T To 2 1/4 IV IV IFF COOL Blow Bock Buil T To 2 1/4 IV IV IFF COOL Blow Bock Buil Blow	Top Packer Depth 3373	Drill Collars Run	0	Vis	_ 55	
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Rec	Rec Feet of / Stor CoIf		%gas	%oil	%water	%mud
Rec Total 3 Lo 2 BHT Gravity 3.3 API RW © F Chlorides ppm A) Initial Hydrostatic 17.5 I Test 1150 T-On Location 17.1 Olo B) First Initial Flow 48 Jars 250 T-Started 17.5 O C) First Final Flow 97 Safety Joint 75 T-Open 19.5 3.3 D) Initial Shut-In 1112 Circ Sub T-Pulled 22.5 3 T-Pulled 22.5 3 T-Out 1.7 4/ Comments Mileage 3.0 RT 46.50 G) Final Shut-In 10.9 4 Sampler Straddle 600 Ruined Shale Packer Shale Packer Recorder Ruined Shale Packer Initial Open 30 Extra Packer Sub Total 0 Final Flow 30 Day Standby Total 2121.50 Final Shut-In 40 Day Standby Total 2121.50 Approved By Our Representative Sub Total 5 Greekly or indirectly, through the use of its finite feating 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 finite 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 finite 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	Rec Feet of		%gas	%oil	%water	%mud
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frilopite 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	Approved By	Ou	r Representative	Jeff F	Sown	
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