

Confidentiality Requested:

Yes No

#### Kansas Corporation Commission Oil & Gas Conservation Division

1088277

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 □ SHOW   □ 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:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Plug Back Conv. to GSW Conv. to Producer  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:
☐ ENHR         Permit #:           ☐ GSW         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 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	Туре	of Cement	# Sacks	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:
		(Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)								

SWIFT Services, Inc. DATE 06-19-12 PAGENO.

LEASE SCHULTE JOB TYPE LONGSTRING TICKET NO. 2333 JOB LOG WELL NO. CUSTOMER
PRESENTER EXPLOSIONS SCHULTE PRESSURE (PSI)
TUBING CASING DESCRIPTION OF OPERATION AND MATERIALS ON LOCATION 1800 CMT: 350 SAS SMD "4" FO. LYD 3450 RID3448, SEAPIRE3449, SJ 1732 TOSKY 3431 5/2/4\* CENT 1.3.57.9, 11.13, 15.17 BASINETS S.II. 44 JOHNS OUT 4- 483.84.85.86 STARY CSLAFLDATEDY 2130 TAG BUTTEN - DROPBAL BRESHCIAC Y/RIG 2330 PLUC RH3D, 0010 500CAS MEDFUSH 0015 6.0 12 200 00 20 Bbls Mc FLUSH 245 sis smo @ 112+ 135 7550 BMD @ H58 20 3050 DROPEDPUR, WASHUYTAL 155 300 START DISD 0 600 60.0 700 70,0 CIAC OUT MUSTEUSH! 800 0100 83.7 RECENSERS, - DKY JOB COMPLETE 0145 THANKYOU! DAVE, JOSH, ROB

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

5586

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	9	County	State	On Location	Finish
Date (0-13-12	27	14	16	E	11,5	US		6'45an
Lease Schul	Vell No.	27-1	Locati	on 31/25	of walker	· WS INTO	40	
Contractor Integri	Dr. 11	ng # 7		Owner	Wholel rate of the	1 0010	-0	
Type Job Surface					To Quality Well Service, Inc.  You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner as a service of the company of the comp			
Hole Size 12/4 T.D. 988					cementer and	d helper to assist own	cementing equipment er or contractor to co	nt and furnish
Csg. 85/8	Depth	992.76	(36)	Charge PC	eifer Fxpl	pratinas	- Work do noted.	
Tbg. Size		Depth		27	Street	thed and business of the	107-000	THE
Tool		Depth			City	A JANA BELL	State	
Cement Left in Csg. 47	63	Shoe Jo	pint	- Chiefe	一年74	done to satisfaction and		agent or contractor
Meas Line	11	Displace	60,5	a hisan	Cement Amor	unt Ordered 450	SX (0 m 3°	laccol lead
	EQUIPM	IENT	17	P. Kale	ni entrescent	1	34 (0/1) 3 /	000 0 1099
Pumptrk No. 8			Pavid	1	Common 4	50	Teach Committee	
Bulktrk No.	4791		mike		Poz. Mix		en, and gotto	
Bulktrk No. 4	or the last		Derrick		Gel. 8			
Pickup No.				74	Calcium 16	new contract	1	
JOB SER	VICES 8	& REMAI	RKS		Hulls	Television in the second	The might be be a second	Secretary design
Rat Hole	É				Salt	OIL TO LET THE		1
Mouse Hole			-		Flowseal			
Centralizers					Kol-Seal	1 46		
Baskets					Mud CLR 48	X.		
D/V or Port Collar					CFL-117 or C	D110 CAF 38		
Ran 23 Sts of	85/80	asin	a and lar	A .	Sand	ruthus 5	-4	
<del>)+</del> 5	31.0	1		J	Handling 4	14		
19 YTHAN O OFFICE HERE	a mold	1	tricker setting the	De la la	Mileage 15	DISTRIBUTE OF LAND	of it believe to be the	BA HILL
Est Circulation	gn i	*		Total S	一种生	FLOAT EQUIPMEN	IT -	
					Guide Shoe	Addition of the same		
Hooked up and	mix	e0 4	505X-Shu	+	Centralizer			-
Down Released pl	ugo	ene	d. 50 mi	+4	Baskets	7		
60,5 pp HSO -	pkia	land	led 6	:20	AFU Inserts			
	' '			1	Float Shoe			
0.0				1	atch Down	941 1 1 1 1 1		
ement pid (	Ticc	ulat	en	3	8	5/2 Rubber	Pluca	William I
					0 /2-025			
1	-	Thai	ok You!	F	oumptrk Charge	Surface	All the Control of th	707
				N	Mileage 15	THE PARKS	7	
			n misayar	1	DUDEN I	THE RESERVE	Tax	
							Discount	
Signature Sull Zy	nel		Idha 'mad	- 0		Paris de la companya	Total Charge	
					1			Toulor Dripting Inc.



Prepared For: Pfeifer Explorations, LLC

309 W. 40th Hays KS 67601

ATTN: Roger Moses

#### **Schulte #27-1**

#### 27-14s-16w Ellis,KS

Start Date: 2012.06.19 @ 04:15:31 End Date: 2012.06.19 @ 12:12:01 Job Ticket #: 49254 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



Pfeifer Explorations, LLC

ATTN: Roger Moses

309 W. 40th

27-14s-16w Ellis, KS

Schulte #27-1

Tester:

Unit No:

Hays KS 67601

Job Ticket: 49254 **DST#:1** 

Test Start: 2012.06.19 @ 04:15:31

59

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 06:42:01
Time Test Ended: 12:12:01

Interval: 3360.00 ft (KB) To 3394.00 ft (KB) (TVD)

Total Depth: 3450.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1867.00 ft (KB)

Brett Dickinson

1857.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753 Outside

Press@RunDepth: 196.28 psig @ 3390.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2012.06.19
 End Date:
 2012.06.19
 Last Calib.:
 2012.06.19

 Start Time:
 04:15:36
 End Time:
 12:12:00
 Time On Btm:
 2012.06.19 @ 06:40:01

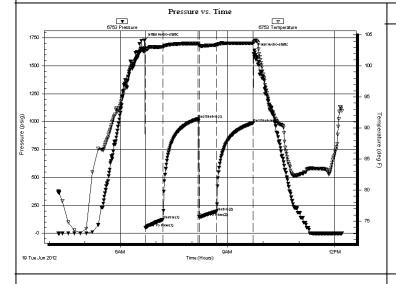
 Time Off Btm:
 2012.06.19 @ 09:45:31

TEST COMMENT: IF-BOB in 5 min

ISI-1 1/4" blow died back to 1/4"

FF-BOB in 6 min

FSI-2" blow died back to 1"



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1728.50	102.72	Initial Hydro-static
2	50.48	102.47	Open To Flow (1)
31	122.01	103.06	Shut-In(1)
91	1024.73	103.61	End Shut-In(1)
93	145.90	103.22	Open To Flow (2)
122	196.28	103.36	Shut-In(2)
183	989.08	103.66	End Shut-In(2)
186	1637.78	103.97	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
15.00	GO 15%G 85%O	0.07
105.00	GMCO 15%G 45%O 40%M	1.34
270.00	GO 15%G 85%O	3.79
0.00	210ft GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 49254 Printed: 2012.06.20 @ 11:49:41



Pfeifer Explorations, LLC

27-14s-16w Ellis, KS

309 W. 40th

Schulte #27-1

Hays KS 67601

Job Ticket: 49254 **DST#:1** 

ATTN: Roger Moses Test Start: 2012.06.19 @ 04:15:31

#### GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 06:42:01 Time Test Ended: 12:12:01

Unit No: 59

Tester: Brett Dickinson

**5**0

3360.00 ft (KB) To 3394.00 ft (KB) (TVD)

Reference Elevations: 1867.00 ft (KB)

reference Lievations.

1857.00 ft (CF)

Total Depth: 3450.00 ft (KB) (TVD)

KB to GR/CF: 10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 8369 Inside

Press@RunDepth: psig @ 3390.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: 2012.06.19

End Date: 2012.06.19

Time On Btm:

2012.06.19

Start Time:

Interval:

04:16:36

End Time: 12:12:00

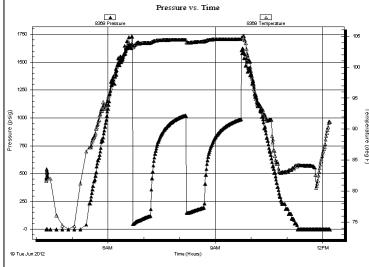
Time Off Btm:

TEST COMMENT: IF-BOB in 5 min

ISI-1 1/4" blow died back to 1/4"

FF-BOB in 6 min

FSI-2" blow died back to 1"



#### PRESSURE SUMMARY

	THEOGRAE COMMINANT								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
Tem									
heratii									
Temnerature (den F)									
9									
		1		i l					

#### Recovery

Length (ft)	Description	Volume (bbl)
15.00	GO 15%G 85%O	0.07
105.00	GMCO 15%G 45%O 40%M	1.34
270.00	GO 15%G 85%O	3.79
0.00	210ft GIP	0.00

#### Gas Rates

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

Trilobite Testing, Inc Ref. No: 49254 Printed: 2012.06.20 @ 11:49:41



Pfeifer Explorations, LLC

27-14s-16w Ellis, KS

309 W. 40th Hays KS 67601 Schulte #27-1

Job Ticket: 49254

DST#: 1

ATTN: Roger Moses

Test Start: 2012.06.19 @ 04:15:31

#### **GENERAL INFORMATION:**

Formation: **Arbuckle** 

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

Time Tool Opened: 06:42:01 Time Test Ended: 12:12:01

Tester: Brett Dickinson

Unit No: 59

1867.00 ft (KB)

3360.00 ft (KB) To 3394.00 ft (KB) (TVD) 3450.00 ft (KB) (TVD)

Reference Elevations:

1857.00 ft (CF)

Total Depth:

KB to GR/CF:

10.00 ft

7.88 inches Hole Condition: Fair Hole Diameter:

Serial #: 8319 Below (Straddle)

Press@RunDepth:

3407.00 ft (KB) psig @

Capacity: Last Calib.: 8000.00 psig

2012.06.19

Start Date: 2012.06.19 End Date: 2012.06.19 12:15:29

Time On Btm:

Start Time:

Interval:

04:15:35

End Time:

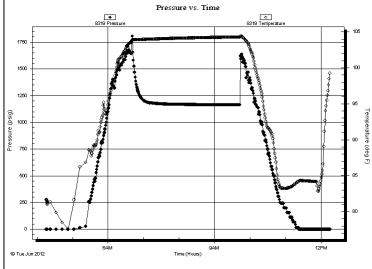
Time Off Btm:

TEST COMMENT: IF-BOB in 5 min

ISI-1 1/4" blow died back to 1/4"

FF-BOB in 6 min

FSI-2" blow died back to 1"



#### PRESSURE SUMMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)
15.00	GO 15%G 85%O	0.07
105.00	GMCO 15%G 45%O 40%M	1.34
270.00	GO 15%G 85%O	3.79
0.00	210ft GIP	0.00

#### Gas Rates

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

Printed: 2012.06.20 @ 11:49:41 Trilobite Testing, Inc. Ref. No: 49254



**TOOL DIAGRAM** 

Pfeifer Explorations, LLC

27-14s-16w Ellis, KS

309 W. 40th Hays KS 67601 Schulte #27-1

Job Ticket: 49254

DST#: 1

ATTN: Roger Moses

Test Start: 2012.06.19 @ 04:15:31

**Tool Information** 

Drill Pipe: Length: 3311.00 ft Diameter: Heavy Wt. Pipe: Length: ft Diameter: 3.80 inches Volume: 46.44 bbl 2.70 inches Volume: - bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb

Drill Collar: Length: 30.00 ft Diameter: 2.25 inches Volume: 0.15 bbl Weight to Pull Loose: 50000.00 lb Tool Chased 0.00 ft

Drill Pipe Above KB: 9.00 ft Depth to Top Packer: 3360.00 ft Total Volume: - bbl

String Weight: Initial 45000.00 lb

Depth to Bottom Packer: 3394.00 ft Interval between Packers: 34.00 ft Final 47000.00 lb

Tool Length: 121.00 ft Number of Packers:

3 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3333.00		
Shut In Tool	5.00			3338.00		
Hydraulic tool	5.00			3343.00		
Jars	5.00			3348.00		
Safety Joint	3.00			3351.00		
Packer	4.00			3355.00	28.00	Bottom Of Top Packer
Packer	5.00			3360.00		
Stubb	1.00			3361.00		
Perforations	29.00			3390.00		
Recorder	0.00	8369	Inside	3390.00		
Recorder	0.00	6753	Outside	3390.00		
Blank Off Sub	4.00			3394.00	34.00	Tool Interval
Packer	4.00			3398.00		
Stubb	1.00			3399.00		
perforations	7.00			3406.00		
Change Over Sub	1.00			3407.00		
Recorder	0.00	8319	Below	3407.00		
Blank Spacing	32.00			3439.00		
Change Over Sub	1.00			3440.00		
Perforations	10.00			3450.00		
Bullnose	3.00			3453.00	59.00	Bottom Packers & Anchor

**Total Tool Length:** 121.00

Printed: 2012.06.20 @ 11:49:42 Trilobite Testing, Inc Ref. No: 49254



**FLUID SUMMARY** 

DST#: 1

Pfeifer Explorations, LLC

27-14s-16w Ellis, KS

309 W. 40th Hays KS 67601 Schulte #27-1

Job Ticket: 49254

ATTN: Roger Moses

Test Start: 2012.06.19 @ 04:15:31

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:35 deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight: 9.00 lb/gal Cushion Length: ft
Viscosity: 44.00 sec/qt Cushion Volume: bbl

Water Loss: 8.79 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 7000.00 ppm Filter Cake: inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
15.00	GO 15%G 85%O	0.074
105.00	GMCO 15%G 45%O 40%M	1.336
270.00	GO 15%G 85%O	3.787
0.00	210ft GIP	0.000

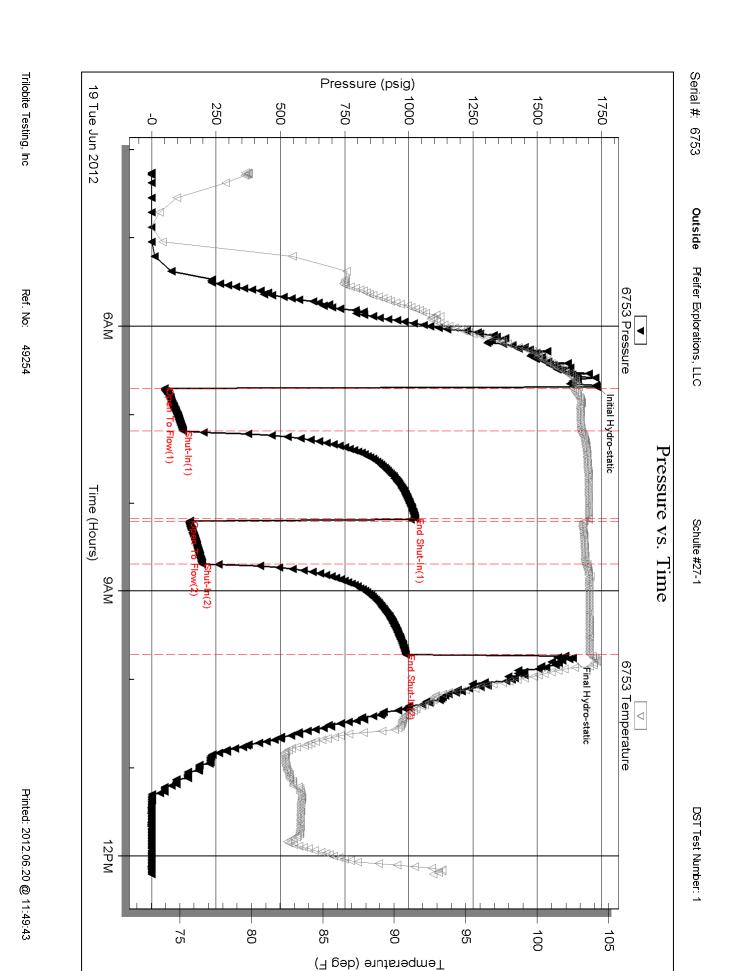
Total Length: 390.00 ft Total Volume: 5.197 bbl

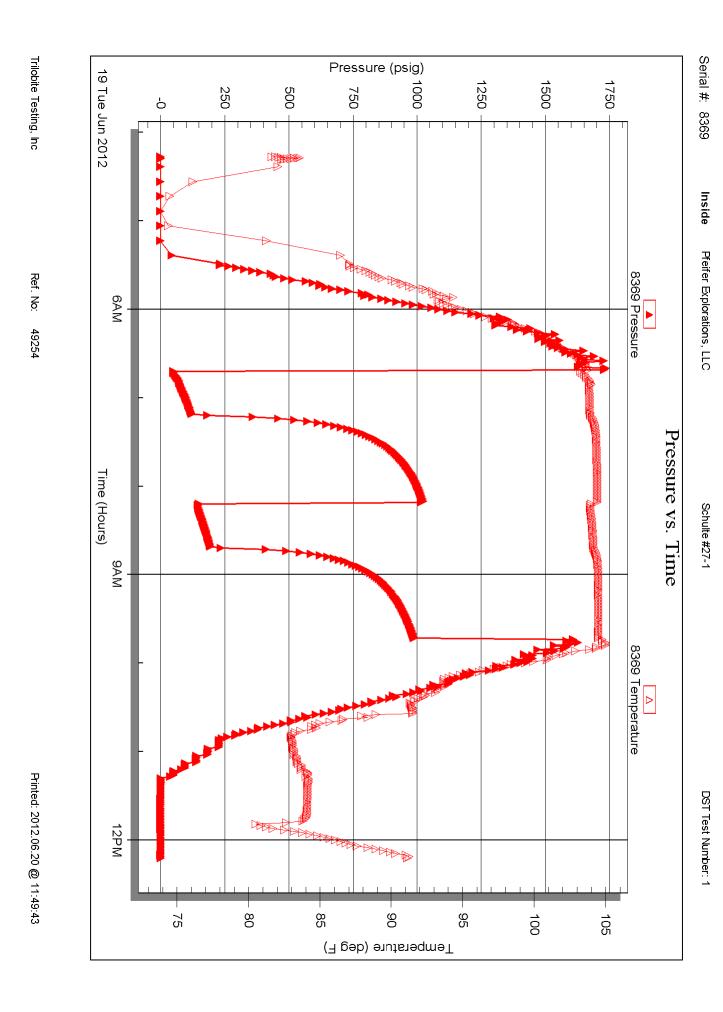
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

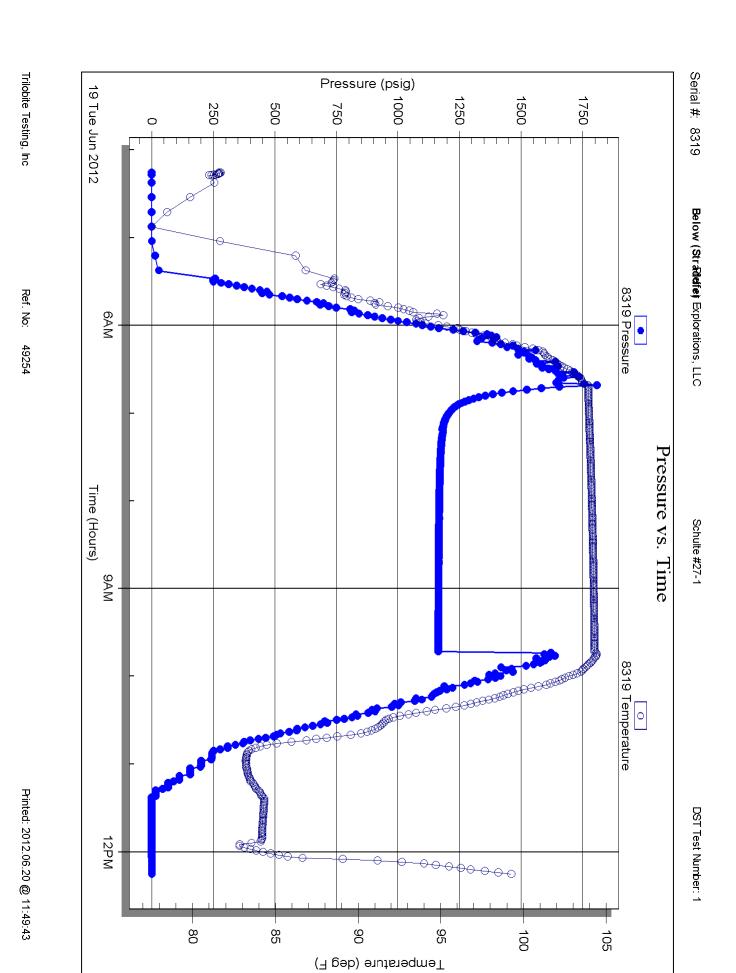
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 49254 Printed: 2012.06.20 @ 11:49:42









# RILOBITE ESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

#### **Test Ticket**

NO. 49254

4/10	ayo, Nanoao o oo				
Well Name & No. Schulte #2	7-/ Test No	1	Date 7/19	/12	
Company Pfeifer Explorati	ions, LLC Elevation	1867	_KB_185	GL	
Address 309 W. 4014 Hays					
Co. Rep/Geo. Roger Moses	Rig Z	yeg-ity	, <del>4</del> 7		
Location: Sec. 27 Twp. 145	Rge. 16 m Co. Ell.	` 5	State	5	
Interval Tested 3366 - 3394	Zone Tested Arbuck (	e			
Anchor Length 34	Drill Pipe Run 33//		Mud Wt. 9, 1		
Top Packer Depth 3355, 336			Vis 44		
Bottom Packer Depth 3394	Wt. Pipe Run		00		
Total Depth 3450	Chlorides 7,066	ppm System	LCM		
Blow Description <u>JF-B6Bin 5</u>	,				
757 - 14 in blow					
FF-BOBin Gu	7:17				
FSI - Linblow a	lied bact to lin				
Rec 15 Feet of _6 O	15 %gas	8 5 %oil	%water	%mud	
Rec 105 Feet of 5000 6	MCO 15 %gas	45 %oil	%water	40 %mud	
Red 270 Feet of 60	15 %gas	85 %oil	%water	%mud	
Rec Feet of 2/0-67	GZP %gas	%oil	%water	%mud	
Rec Feet of	%gas	%oil	%water	%mud	
Rec Total 390 BHT 104	Gravity 35 API RW	@°F	Chlorides	ppm	
(A) Initial Hydrostatic 1,729	Test1150		cation <u>4.0</u>	0	
(B) First Initial Flow 50	Jars250	T-Starte	d 4:15		
(C) First Final Flow	Safety Joint 75	T-Open_	0111-		
(D) Initial Shut-In 1, 02 5	☐ Circ Sub	T-Pulled	10		
(E) Second Initial Flow	☐ Hourly Standby		2.0		
(F) Second Final Flow	Mileage #32 rt x 2	99.20 Comme	nts		
(G) Final Shut-In 989	_ Sampler	-			
(H) Final Hydrostatic 1,638	Straddle 600	D Ruir	ned Shale Packer		
	☐ Shale Packer		ned Packer		
Initial Open 30	_ Extra Packer		a Copies	- 33	
Initial Shut-In 60	_ Extra Recorder				
Final Flow 30	Day Standby		2174.20	- 3,82	
Final Shut-In	_ Accessibility	MP/DS	T Disc't		
	Sub Total2174.20		_		
Approved By	Our Representative	BIR	D12800-	~	

SIRUL	theast	APT-15-051-26319-0000 COMPANY BEJECESplorations, LLC Hays, Kansas 67601
STRUCTURAL POSITION  STRUCTURAL POSITION  -9  -9  -9  -9  -9  -9  -9  -9  -9  -	27 - 6 - 19 - 12	6-12-12-12-12-12-12-12-12-12-12-12-12-12-
FORMAL		
A S. S.S.Thriry cor 9. S.S.Thr		SIZE BAKE THE DEPTH OUT FEET HOW THE SIZE BAS' 1562' 141 1778 PAC 3448' 898' 12: 41 178 PAC 348' 898' 12: 41 178 PAC 3550' 1562' 241 178 PAC 378 PAC 3
REWARS AND RECOMPUSATIONS  Sample Shows  (25/100 was 6  1/KT & Hr		1 3360'- 12 3394'
Based en structural position, favorable us & DST results 5/2 production remembed in to Further evaluate the Arbuckle Respectfully		DRILL STEM TESTS
Anhydrite Salt Sandstone Shale Carb sh Limestone Ool.Lime	Chert D	//// /// Polomite
PER FOOT Rate of Penetration Decreases  DEPTH  SAMPLE DESCRIPTIONS  PER FOOT Rate of Penetration Decreases  DEPTH  950  777	L SHOWS	REMARKS
60 777 70 777 70 777 80 777 80 777 90 777 90 777 90 777 90 777 90 777 90 90 90 90 90 90 90 90 90 90 90 90 90		
2550		
60 70 80 103 7/0 90 1 45: wkt dull wht chiry, Fxin.		
abun Vari clird sh.  NSO, SSO  2600  SS: Clir, - Arg - micaceous Farnd clusters, SI. Free 0.15to. w/1t ador SS: a/a, SI. Ls. 3/i oder NSS FO  SHi.gry, med, plty  C 30  C 30		VTS 52 WT 8.7
SH: gry. born, med, blky  50  LS! wht-lan, f. xin, barren  50  51: 1+ qry, fewbonn, plty		
80  SH: gry, sith, for plty.  2700  SH: gry, mitted  SH: gry, mitted  SH: gry, mitted  SH: gry, mitted, plty		VES 44 WT 8.8 -
20 LB: whit tan, fimed. xin, int xin Ø, barren  LB: sala  LB: qry, pro  LS: tan, fxin, chiky, poor int xin Ø		VT 5 42 WT 8.8
SH: gry, med, pth.  SH: gry, med, pth.  SH: 6 p/q  LG: brn-tan, mthd, F-med barnen		VIS 49
2800  LS: off wht-any, F-med  XIn,: utxin of wo, NS  SH: any, med, plty  LS: tan-any, fmed xin, fees, No, No  SH: any, med, bl ky-plty.		WT 8,9 -
28: whi, f-med xin, parmen  18: whi, f-med xin, parmen  100  111  128: whi, f-med xin, parmen  128: whi		VIS 49 WT 8.9
C 80  LS: tan-It gry, mthal, foss, No, No, No  LS: tan-qry, fimed xln, fosc, Fet-, chrty  CS: 5 qlq  LS: by ff-tan fimed xin  Slichiky, barren		VIS 48 - WT88
SH: bix, carb.  SH: gry-brn. med. phy-blky  SH: gry-brn. med. phy-blky  LS: ton-crm, fn. xln, foss  peer int xh B  LS: tan, fxln, inteuxin p  Toss, vwo, nso		
50  15: 5 q/q  15: 5 q/q  30: 5h: brn - gry  LS'. tan, f-x/n, dnse  80: 5h: bik, carb.		VIS 51 WT 9.0
3000  JIS: tan, fixin foss, no, niso  3000  LS: tan-brow fixed xin, dis. tight: Nb, ns  SH: gry, brn, phy LS: wht, fixed xin, int xin & PPG, fixed ader, spo.	•	VIS 53 WT 9.3
48  LS: crm-toc, Pxin, chity  So  LS: ton, Faxin, intains  woder, Vsso  SH: 51K, Carb	•	
SH: gry-dropy, med, plty  To rento 12/3  80  LS: wht-ton, sli sucrosic fain, intach & faint odor very sood sho oil pry, sood sho oil pry, sood sho oil ship, sat rocks  SH: gry-bro, med		VI5 48 WT 9.3
10 15: whit film ali suc. satistic.  finable, Jso vasfo  SH bik, Cando  SH: gny-1+qny,		VIS 49 WT 9.3
LS: Why Fxln, UE VURRY OF VEIL ador, VESTO on bork.  LS: Why Fxln, UE VIRRY OF VIS WHY Fxln, US VIS WHY Fxln, US VIRRY NEO, VICE OF VIRRY B, FO, VESTO  SHI blk, carb  SHI blk, carb		VIS 47 WT 9.3
3200  LS: tan-brn. f-vin.  int xin & ool &  w-f odor, vigli sho  LS: wht-tan, Fxin.  col-coc &, Lteven Stn.  Cosfo.  LS: wht fixin ool-coc &  If Godon, Lieven Stn.  GSFO.  LS: wht fixin ool-coc &  If yield the stan of the		VIS 47 - WT 9.3
LS: wht - It tan, dose, fyln oac of lain Odon, cso on book  16 LS: wht, f-xin, chrty.  40 SH: b/K, Camb  50 LS: crm-tan, f-xh, intx/np  wo NSb.		VIS 45 Wr 9.3
23. wht fixin fixing we, vg 6 F6-brk.  70  L5:  L5:  Vs0  Vs0  L5: wht -tan, f-xin, int xing yuggy 8, Li even Stain, Vs0		VDS 45 WT 9.3
LS: wht, Ithan, f-xIn, dnse, Vuq Ø, VSO, Ltovensta		
The buckle sugar for the second secon		UES 45 WT 4.3 LCM /2#
3400  Jobo: +an, suc, das, c adon, V good sho has on' Mon on break.  Joolo: +an · I + bra, fxln, suc- Rhomia & ador vestor  Dolo: 5 ala  10		
Dolo: Wht, Fixin, Sex   Rhomb Fair Odor NSD  Dolo: Wht, Fixin, sex   Rhomb Fair Odor NSD  Dolo: Wht, Fixin, sex   Rhomb Coll Show dec.  Dolo: Wht, Fixin, sex   Rhomb Fair Odor NSD  VI Dolo: Wht, Fix		
60 70 20 90		
3600		
DRILLING TIME Minutes/Foot  Rate of Penetration Decreases  CONTRACTOR Integrity Drig Co, LLC  LEASE Schulte  ELEVATION 1867 KB RTD 3448  COUNTY Ellis  SAMPLE DESCRIPTIONS  CONTRACTOR 2970 FSL E  SEC 27 TWP 145  COUNTY Ellis  ST		REMARKS  EL  G 16 uz
ELEVATION 1842 KB RTD 3448 COUNTY EILIS ST	ATE K	<u>αης σ</u>

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

August 02, 2012

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

Re: ACO1 API 15-051-26319-00-00 Schulte 27-1 NE/4 Sec.27-14S-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