

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1119557

Form ACO-1 June 2009 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 North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	
Name:	Lease Name:Well #:
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SV	/D Chioride content: ppm Fluid volume: bbis
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	— Operator Name:
Dual Completion Permit #:	
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	

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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1119557
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No	L	-	n (Top), Depth an	d Datum Top	Datum
Samples Sent to Geolog	gical Survey	Yes No	Nam	C		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre> Yes □ No Yes □ No Yes □ No</pre>					
List All E. Logs Run:							
		CASING		ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, producti	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 / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

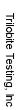
Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

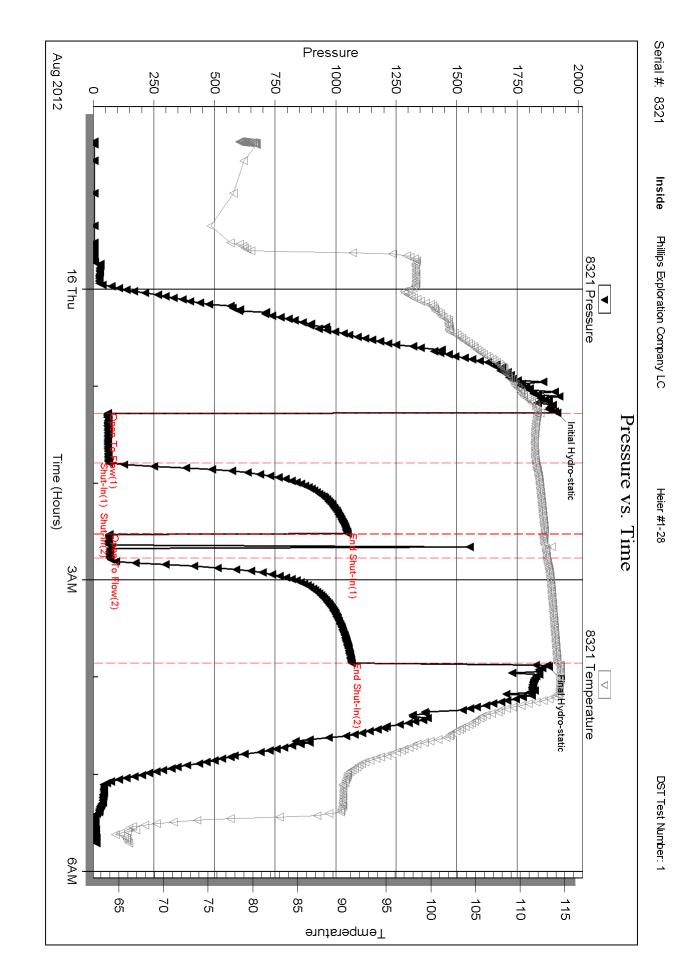
	DRILL STEM TES	ST REP	ORT				
	Phillips Exploration Company LC	28-	10s-24w				
ESTING , INC.	1601 Sagebrush Wichita Ks 67230 + 7010			i er #1-28 Ticket: 48		DST	-#- 1
	ATTN: James B Phillips					@ 22:28:5	
GENERAL INFORMATION:							
Formation:Lansing-A-B-CDeviated:NoWhipstock:Time Tool Opened:01:16:54Time Test Ended:05:42:54	ft (KB)		Test Test Unit	ter:	Conventio Jeff Brow 14		Hole (Initial)
Interval:3750.00 ft (KB) To38Total Depth:3812.00 ft (KB) (THole Diameter:7.88 inches Hole			Refe	erence Ele KB t	evations: o GR/CF:	2419.	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8321InsidePress@RunDepth:67.22 psigStart Date:2012.08.15Start Time:22:28:55	 3786.00 ft (KB) End Date: End Time: 	2012.08.16 05:42:54	Capacity: Last Calik Time On I Time Off	o.: Btm: 2		8000. 2012.08. 6 @ 01:16: 6 @ 03:52:	:24
TEST COMMENT: IFP=Weak blow ISI=Dead no blov FFP=Dead no blov FSI=Dead no blov	v back ow Flushed tool dead						
Pressure vs. 7	Fime T 8321 Temperature		PF	RESSUR			
	8321 Temperature	Time (Min.)	Pressure (psig)	Temp (deg F)	Annota	ation	
		0	1913.38	112.23	-	dro-static	
1500		1	60.40 65.84	111.91	-	Flow (1)	
1200		31	1050.99	111.74 112.77	Shut-In(End Shu		
	- 95	76	67.18		Open To		
		90	67.22	112.97			
		⁶ 155 157	1067.35 1872.84	114.16 114.52		t-In(2) dro-static	
250	ан Вам Вам						
Recovery			↓ ↓	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i		ssure (psig)	Gas Rate (Mcf/d)
8.00 WM w ith oil spots 40% V	/ 60%M 0.04			•	!		
12.00 Mud	0.06						
Trilobite Testing. Inc	Ref. No: 48527					17 @ 10:32	

		DRII	LL STEM TEST I	REPORT	Γ		FLUID S	UMMAR
	BITE TING , INC.	Phillips I	Exploration Company LC		28-10s-24v	v		
EST	FING , INC.	1601 Sa	agebrush		Heier #1-2	28		
		Wichita	Ks 67230 + 7010		Job Ticket: 4	8527	DST#: 1	
		ATTN:	James B Phillips		Test Start: 2	2012.08.15 @ 22	2:28:54	
lud and Cushion Inf	formation							
lud Type: Gel Chem			Cushion Type:			Oil A PI:		deg API
	lb/gal		Cushion Length:		ft	Water Salinity:		ppm
	sec/qt		Cushion Volume:		bbl			
Vater Loss: 6.39			Gas Cushion Type: Gas Cushion Pressur		nain			
alinity: 1000.00	ohm.m ppm inches		Gas Cushion Pressur	.	psig			
Recovery Informatio	n							
			Recovery Table			-		
	Lengtl ft	n	Description		Volume bbl			
			WM with oil spots 40%W 609	6M	0.039			
		12.00	Mud		0.059	9		
Тс	otal Length:	20.0	00 ft Total Volume:	0.098 bbl				
	um Fluid Sampl		Num Gas Bombs:	0	Serial #	:		
17	aboratory Name	e:	Laboratory Location	n:				
			,,					
	ecovery Comm		,					

Printed: 2012.08.17 @ 10:32:31

Ref. No: 48527



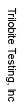


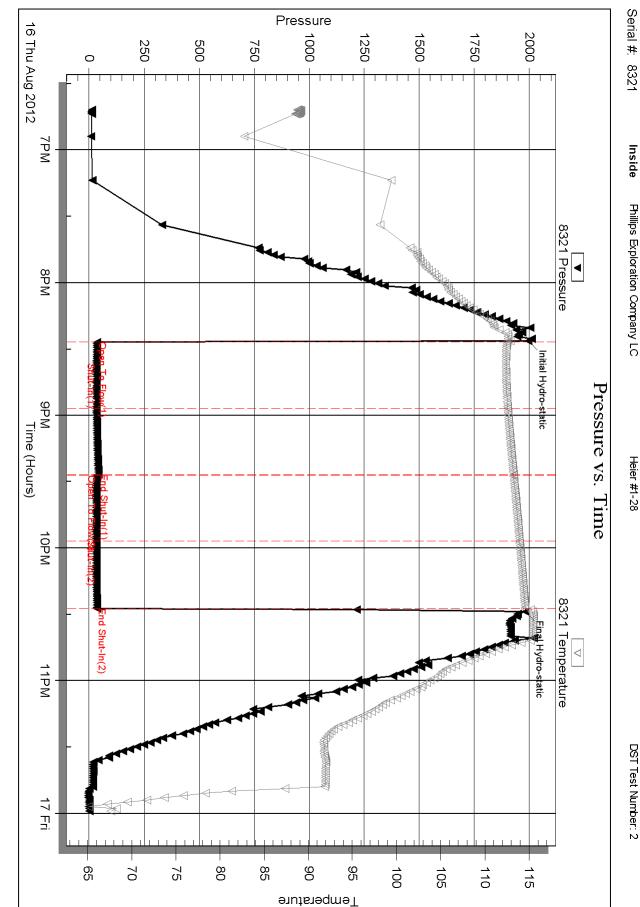
RILOBITE	DRILL STEM TES	ST REPO	ORT			
	Phillips Exploration Company LC		28-10s-2	4w		
ESTING , INC	1601 Sagebrush Wichita Ks 67230 + 7010		Heier #1		DOT	# 0
	ATTN: James B Phillips		Job Ticket Test Start:		DST .16 @ 18:41:48	
GENERAL INFORMATION:						
Formation:LKC-H-IDeviated:NoWhipstock:Time Tool Opened:20:26:48Time Test Ended:23:59:18	ft (KB)		Test Type: Tester: Unit No:	Conve Jeff B 44	ntional Bottom row n	Hole (Reset)
Interval:3900.00 ft (KB) To39Total Depth:3939.00 ft (KB) (TVHole Diameter:7.88 inchesHole			Reference	Elevation	2419.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 8321 Inside Press@RunDepth: 32.66 psig Start Date: 2012.08.16 Start Time: 18:41:49	 3903.00 ft (KB) End Date: End Time: 	2012.08.16 23:59:18	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 2012.08. 08.16 @ 20:26: 08.16 @ 22:28:	18
TEST COMMENT: IFP=Weak surfac ISI=Dead no blow FFP=Weak surfac FSI=Dead no blov	back ce blow died out in 8 min					
Pressure vs. Ti V 8321 Pressure	me 고 8321 Temperature		PRESS	URE SI	JMMARY	
	115 115 110 105 100	Time (Min.) 0 1 31 61	Pressure Terr (psig) (deg 1996.14 112 36.68 112 33.83 112 42.37 113	F) 87 Initia 52 Opei 58 Shut	notation I Hydro-static n To Flow (1) -In(1) Shut-In(1)	
		61 91 121 123	34.99 113 32.66 113 34.91 114 1982.35 115	92 Shut 55 End	n To Flow (2) -In(2) Shut-In(2) Hydro-static	
250 250	10PM 11PM 17 Fri					
Recovery				Gas Rat	es	
Length (ft) Description	Volume (bbl)			oke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2.00 Mud	0.01					
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 48528		Drine	ad: 2012	08.17 @ 10:31	.25

		DRI	LL STEN	ITEST R	EPORT	Г		FLUID S	UMMARY	
	RILOBITE	Phillips	Exploration Com	pany LC		28-10s-24	N			
	ESTING , INC.	1601 Sagebrush				Heier #1-2	28			
	-		Wichita Ks 67230 + 7010				48528	DST#:2		
		ATTN: James B Phillips					2012.08.16 @	-	-	
Mud and Cu	ushion Information									
	el Chem		Cushion	Type:			Oil A PI:		deg API	
Mud Weight:	9.00 lb/gal			Length:		ft	Water Salinity	y:	ppm	
Viscosity:	47.00 sec/qt			Volume:		bbl				
Water Loss:	6.38 in ³ ohm.m			shion Type: shion Pressure		n e i e				
Resistivity: Salinity:	1000.00 ppm		Gas Cu	smon Pressure		psig				
Filter Cake:	inches									
Recovery In	ofrmation									
	Γ			ery Table			7			
	Lengt ft	th	Deso	cription		Volume bbl				
		2.00	Mud			0.010	0			
	Total Length:	2	.00 ft Tota	I Volume:	0.010 bbl					
	Num Fluid Samp			Gas Bombs:	0	Serial #	ŧ			
	Laboratory Nam Recovery Comm		Labo	pratory Location	1:					
		nonto.								

Printed: 2012.08.17 @ 10:31:26

Ref. No: 48528





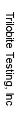
Heier #1-28

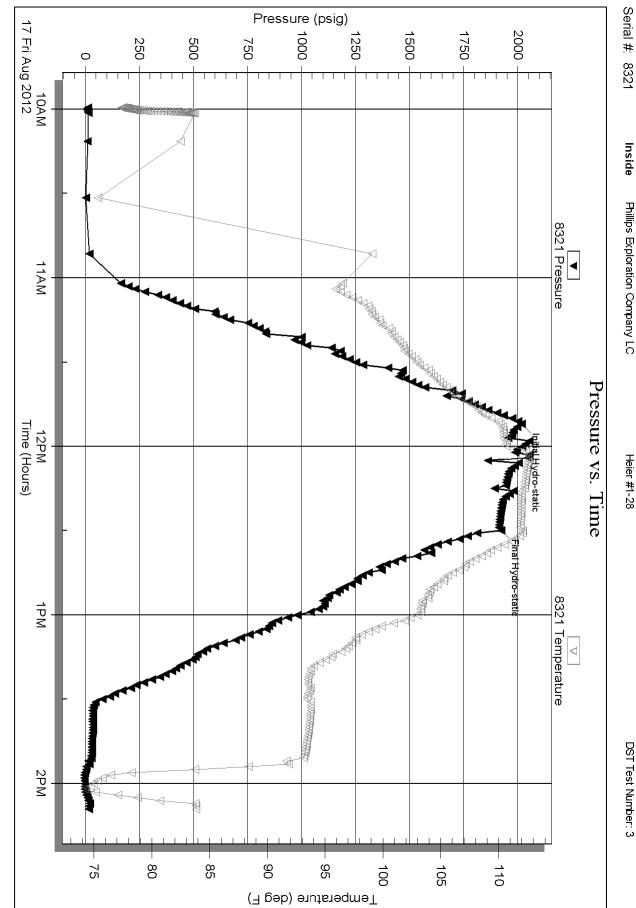
RILOBITE	DRILL STEM TES	T REPO	ORT		
	Phillips Exploration Company LC		28-10s-24	w	
ESTING , INC	1601 Sagebrush Wichita Ks 67230 + 7010		Heier #1-/ Job Ticket:		DST#:3
	ATTN: James B Phillips			2012.08.17 @	
GENERAL INFORMATION:					
Formation:LKC-J-KDeviated:NoWhipstock:Time Tool Opened:12:06:0UTime Test Ended:14:09:0U	ft (KB)		Test Type: Tester: Unit No:	Conventiona Jeff Brow n 44	l Bottom Hole (Reset)
Interval:3938.00 ft (KB) To40Total Depth:4010.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference E KE	Elevations: 3 to GR/CF:	2424.00 ft (KB) 2419.00 ft (CF) 5.00 ft
Serial #: 8321InsidePress@RunDepth:psigStart Date:2012.08.17Start Time:09:59:31TEST COMMENT:MIS-RUN Packer	End Date: End Time:	2012.08.17 14:09:00	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2012.08.17 (2012.08.17 (2012.08.17 (
Pressure vs. T S21 Pressure	me ⊽ 8221 Temperature	T			
2000 1700 1200 1000	REST Temperature	Time (Min.) 0 38	Pressure Temp (psig) (deg F 2017.60 110.1 1922.76 112.0) 2 Initial Hydro	o-static
Recovery				as Rates	
Length (ft) Description 154.00 Mud w ith oil spots	Volume (bbl) 1.90		Choke	(inches) Pressur	e (psig) Gas Rate (Mct/d)
* Recovery from multiple tests Trilobite Testing, Inc	Ref. No: 48529		Drinto	d: 2012.08.17	@ 14-22-02

		DRI	LL S	TEM TEST R	REPORT			FLUID S	UMMARY
	RILOBITE ESTING , INC.	Phillips	Explorat	ion Company LC		28-10s-24	N		
	ESTING , INC.		1601 Sagebrush Wichita Ks 67230 + 7010				28 18529	DST#:3	
		ATTN:	James	B Phillips			2012.08.17 @ 0		
Mud and Cuck	nion Information								
				Cushion Type:			Oil A PI:		deg API
Mud Weight:	9.00 lb/gal			Cushion Length:		ft	Water Salinity:	:	ppm
Viscosity:	60.00 sec/qt			Cushion Volume:		bbl			
Water Loss:	6.40 in ³			Gas Cushion Type:					
Resistivity:	ohm.m			Gas Cushion Pressure	:	psig			
Salinity: Filter Cake:	2300.00 ppm inches								
Recovery Info									
				Recovery Table					
	Lengt ft	h		Description		Volume bbl]		
		154.00	Mud wi	ith oil spots		1.896	6		
	Total Length:	154	.00 ft	Total Volume:	1.896 bbl				
	Num Fluid Samp	les: 0		Num Gas Bombs:	0	Serial #	:		
	Laboratory Nam			Laboratory Location					
	Recovery Com	nents: Mi	s Run Pa	acker Failure					
Trilobite Testin			ef. No:	49520		Drinton	t: 2012.08.17 @		

Printed: 2012.08.17 @ 14:33:05

Ref. No: 48529





Phillips Exploration Company LC

Heier #1-28

DST Test Number: 3

an-		DRILL	ORT							
	RILOBITE	Phillis Explo	28-10s-24w							
	ESTING , INC.	1601 Sagebrush Wichita Ks 67230 + 7010				Heier #1-28				
		ATTN: James B Phillips				Job Ticket: 48530 DST#:4 Test Start: 2012.08.18 @ 01:37:53				
GENERAL I	NFORMATION:									
Formation: Deviated: Time Tool Oper Time Test Ende		ft	(КВ)			Tes	ter:	Conver Jeff Bro 14	ntional Straddle ow n	e (Reset)
Interval: Total Depth: Hole Diameter:	3925.00 ft (KB) To 39 4065.00 ft (KB) (TV 7.88 inchesHole	/D)				Ref	erence Ele KB t	vation: o GR/C	2419.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 83 Press@RunDe Start Date: Start Time:	pth: 184.45 psig 2012.08.18 01:37:54	End Da End Ti	me:		2012.08.18 09:22:09	Capacity Last Cali Time On Time Off	b.: Btm: 2		8000. 2012.08. 8.18 @ 03:34: 8.18 @ 06:40:	39
TEST COMM	IENT: IFP=Good blow E ISI⊨Weak surfac FFP=Good blow FSI⊨Weak surfac	e blow back b BOB in 18 Min ce blow back b	uilt to 1/8 in							
2250 - r	Pressure vs. 1	'ime ए 8321 Tempe	rature	-	Time	Pl Pressure	RESSUF			
2000	In Hall Hydro-state	E luzi Rodor-Static	- 120		(Min.)	(psig)	(deg F)			
		160			0	2107.26	113.74		Hydro-static	
1750		L L L	- 20		1 32	121.59 160.24	113.75 117.55	Open Shut-	To Flow (1)	
1600					52 76	1051.52			Shut-In(1)	
				[empe	76	181.25		Open To Flow (2)		
	EndSintin(1)	End Shirkhi (2)		nperature (121	184.45	118.96			
				(deg F)	185 186	1059.44 1947.91	119.36 119.27		Shut-In(2) Hydro-static	
18 Sat Aug 2012	3AM Time (Hous) Recovery	ам 	9AM							
Length (ft)		Gas Rates Choke (inches) Pressure (psig) Gas Rate (Mcf/d)								
119.00	Description	℃%M	Volume (bbl)					101103)	, reasone (beig)	
31.00	VSOCM 2%O 98%M	0/0101	0.00							
		50/ M 150/ O	↓							
63.00	HOCGWM 15%G 5%W 3		0.88							
126.00	MCGO 25%G 15%M 60%	0	1.77							
0.00	167-GIP		0.00							
* Recovery from mult	tiple tests		ļ]							
Trilobite Tes		Dof N	o: 48530				Drinted	2042.0	08.19 @ 00:09	~~~

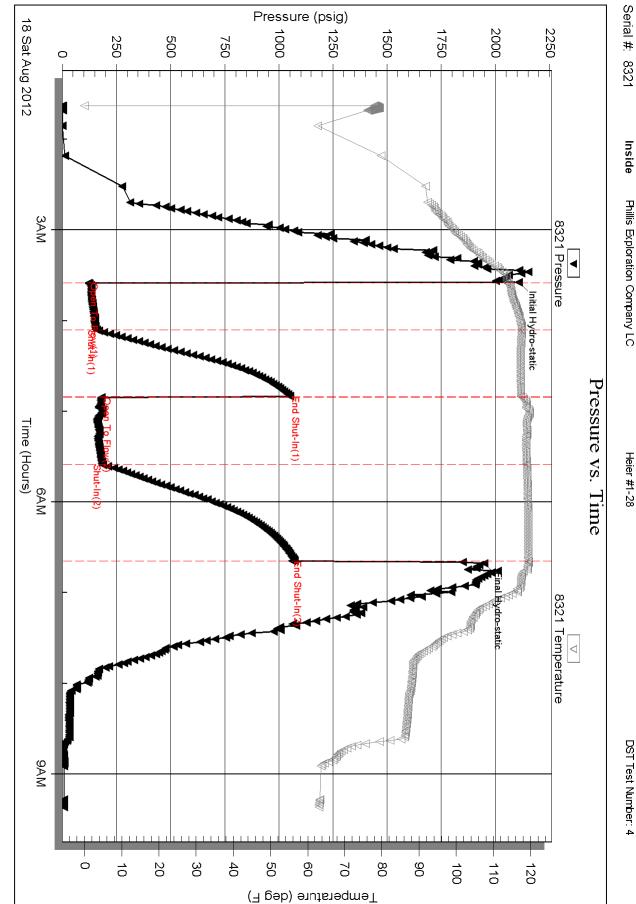
Trilobite Testing, Inc

RIL	OBITE	ī	LL STEM TEST REPOR		LUID SUMMAR		
	STING , INC.			28-10s-24			
			agebrush 1 Ks 67230 + 7010	Heier #1-2			
				Job Ticket: 4		DST#:4	
		ATTN:	James B Phillips	Test Start: 2012.08.18 @ 01:37:53			
lud and Cushion	Information						
lud Type: Gel Chem			Cushion Type:		Oil A PI:	deg API	
-	.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm	
-	.00 sec/qt		Cushion Volume:	bbl			
	.39 in ³		Gas Cushion Type:	noia			
esistivity: alinity: 2300	ohm.m .00 ppm		Gas Cushion Pressure:	psig			
lter Cake:	inches						
ecovery Informa	tion						
-			Recovery Table				
	Leng	th	Description	Volume			
	ft	119.00	HOCWM 10%W 30%O 60%M	0.85	a		
		31.00	VSOCM 2%O 98%M	0.43	-		
		63.00	HOCGWM 15%G 5%W 35%M 45%O	0.884	-		
		126.00	MCGO 25%G 15%M 60%O	1.76	7		
		0.00	167-GIP	0.00	D		
	Total Length:	339	.00 ft Total Volume: 3.945 bbl	l			
	Num Fluid Samp	oles: 0	Num Gas Bombs: 0	Serial #	÷:		
	Laboratory Nan	ne:	Laboratory Location:				
	Recovery Com	ments:					

Printed: 2012.08.19 @ 00:09:41

Ref. No: 48530





Heier #1-28

DST Test Number: 4



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

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner February 06, 2013

Corporation Commission

Sam Brownback, Governor

PHILLIPS EXPLORATION COMPANY L.C. 1601 SAGEBRUSH WICHITA, KS 67230-7010

RE: API Well No. 15-065-23846-00-00 HEIER 1-28 SENWNE, 28-10S-24W GRAHAM County, Kansas

Dear Operator:

Upon review of the above referenced well, the following documentation appears to be incomplete pursuant to K.A.R. 82-3-107. The requested information below should be submitted to the KCC to my attention by February 22, 2013 for processing. Failure to submit the requested documentation may be punishable by an administrative penalty pursuant to the General Rules and Regulations for the State of Kansas.

K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely DÉANNA GARRISON

Production Department

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Cell 785-324-1041 Sec.	Twp.	Range	C	ounty	State	On Location	G Finish		
Date 8-11-12		nunge		40	ne elession of approx		9:15 pm		
- Citi	Vell No.	1-28	Location	MARE	PENEY QN	to CR	Type		
	6	institu tegel cor		Owner	also off newslation	utomatically reform	unitiaet shall life a		
Type Job Sur Face	nocioti Periodo	shi la la Plata Pranti la la Plata		To Quality Oi	lwell Cementing, Inc. by requested to rent	comonting equipme	nt and furnish		
Hole Size 12 14	T.D.	210		cementer and	helper to assist owr	her or contractor to	do work as listed.		
Csg. SSK	Depth	908	100 en	Charge	hillips F	Exployotra	N		
Tbg. Size	Depth	20 C		Street		0	a muainidanoaan		
Tool	Depth			City State					
Cement Left in Csg. 10 '15'	Shoe J	oint 2/	00.	The above wa	s done to satisfaction ar	nd supervision of own	er agent or contractor.		
Meas Line	Displac	e 12-141	BRL	Cement Amo	unt Ordered		PEMOT		
EQUIP	VENT	50.00	2	arta ne artar Arta	unnaberi nu koo la k	NDAUL KIENAB Bristou de objoto	OldrinwO1 Rusciad Schulung		
Pumptrk 5 No. Cementer Helper	al and	pave		Common 🍃	150 342	orget to or from the	pulling equipment		
Bulktrk 14 No. Driver Driver	a ft airton	coay	3 Pac ben	Poz. Mix 150					
Bulktrk No. Driver	WILLIA			Gel. 3	MUD yea hiw FEMO	ormation rehatem to	in and noticina teol		
JOB SERVICES	& REMA	RKS	and an an an an	Calcium 3					
Remarks:	(net) (tra	qeng bi - Jihdis		Hulls MTUAUD DEBRUIEAU CHA SHOMGUQU FOIVASE -					
Rat Hole	ornatigena Istanation	set for a narran ann anns anns an	LIACO I C	Salt					
Mouse Hole	ná yrait	emisee posinge	d .seeyald	Flowseal	egit whollo sh 2 Th	Ad harmless QUA	n		
Centralizers	land man	aaren oordeaa		Kol-Seal					
Baskets				Mud CLR 48		on service of a service of a	the second		
D/V or Port Collar	gistrinh v	n deno 16 V maileo Interna	a sherir of	CFL-117 or (CD110 CAF 38	volletion, surface o	(B) OILS #10 (B)		
	iolana e	no vita de		Sand					
101		BAR AND		Handling	> granter and				
Ceme	1.7	5	54. A.	Mileage		and the second s	A LANGER DISTORT		
CONTRACTOR OF THE OWNER OF THE OWNER	m		Carlor Verall	FLOAT EQUIPMENT					
Ch	Dist 2425	N address. 10		Guide Shoe	A REAL PROPERTY.	And Andrews	293. TUALO E		
			States 1	Centralizer	distant fluidis	to telew to posen	netico Apresieu		
normalica e Alla de Carlos de C	mg)r den ne holfio	n an ann an Staine Na an Staine Staine	Constant of	Baskets	an redonistanon les estanes bolettes de	MARTEN VIELAUO	LINE CONTRACTOR		
which all a state where where it is define	alsolars"	and the second sec	101 - 4110	AFU Inserts					
				Float Shoe					
Sile Bully sat.	All to Barrier		1000	Latch Down					
ennou peaces sea of creating to		PUALS: Nos A	Gobly Gren	Nieron an Ab	A COLORADO A	to see in am uselo	is no deder on a		
	de series	Bin Way	di ana	h. Kanala	8 8 BAN 4	of the second second	io vie moM .s		
	Sec.			Pumptrk Charge Surface					
aces antometrors, crudare faur aun	sectorestona.		Mileage 6						
a sentation and storage was	a la ra	solar s ands	os por l	St	est, meter (c.utings	Та	BY OUAL ITY OF X		
11	in ocho g bret om i	ALCONTRACTOR		im tuffiw eri how (C)		Discour	nt		
X Signature RJ Kw	1	an a		now (o,) wet oskrada		Total Charg	Contraction and the second second		

QUALIT	Y	OILW	EL	L CE 1.D.# 20-2	EMENT		
Phone 785-483-2025	н		· •		ssell, KS 67665	No.	831
Cell 785-324-1041	Twp.	Range		County	State	On Location	Finish
	10	allye		an an The State			2'ODAM
Date 8-18-12 28		1-28		Ham	KANSAS	1-7.1-6.	INTO
			Localic	5		COLOCATION	<u> </u>
			ilwell Cementing, Inc.		V		
Type Job TL YO - STAGE 1			Thor	You are here	by requested to rent	cementing equipmen ner or contractor to de	t and furnish work as listed.
Hole Size 7 8	T.D. Depth	4060	1	Charge O	· · · · · · · · · · · · · · · · · · ·		
Csg. 5 2-NEW-14LB	Depth	4069	· · · · · ·	To Pr		XPLORATION	
Tbg. Size	· · · · ·	0.0 =.0	t <u>.</u>	Street	01 SAGEBI		7020
Tool DV. TOOL	Depth	2050			CHITA	, , (,	7230
Cement Left in Csg.	Shoe J		· · · · ·			nd supervision of owner	11 01
Meas Line	Displac		sls		ount Ordered 40	O SKS Um	DC
					100		
Pumptrk j Helper NK				Common 4	00	·	
Bulktrk 4 3 Driver	NEE			Poz. Mix	· · · · · · · · · · · · · · · · · · ·		
BUIKIRK DU IDriver	<u>seo</u>			Gel.	· · ·		
JOB SERVICES	& REMA	ARKS		Calcium			
Remarks:				Hulls	· · · · · · · · · · · · · · · · · · ·		
Rat Hole 305KS				Salt	1 to a bet		
Mouse Hole				Flowseal	00 #		
Centralizers				Kol-Seal		····	
Baskets				Mud CLR 48		ons	· · · · · ·
D/V or Port Collar		· · · · · · · · · · · · · · · · · · ·		CFL-117 or	CD110 CAF 38	<u> </u>	
CIRCULATEN 3	hes	- Drimb	<i>d</i> 3	Sand	/ 37 %		
muscr 48-01	<i>uo</i> c	LED RA	٢	Handling		in and the second se	
HOLE-MITCON	370	<u>SKS Qn</u>	500	Mileage		and the second s	
Num 550 - D	TSCC	3 TOTOMOR	Ð		FLOAT EQUIPN	IENT	
Demen OLING	t we	KHAD O	mo	Guide Shoe		1020000 L	
RECONNECTED	DI	STACED	50	Centralizer			· .
BLZ - DILLCIAN	NED	A HEL		Baskets		·	
	and the second s			AFU Inserts			
LTET OPESUDE	100))) LRS		Float Shoe		(F flernsk f. j.	
OLUCHANDED@	1.50	\mathfrak{N}		Latch Down		na mangali R 🤇	÷
- 				コカク	JAL KCL	•	
CEMENT DED	Сле	ALL ATE			U.		TOP
				Pumptrk Ch	arge Drod L	ong Strike	Stage
	<u> </u>	<u> </u>	10010100	Mileage N	ic l		
			;	Cemo	STER Frume	a huit Tax	
THANK VI			•				
X. A.L.F			<u></u>	750_ 20		Total Charge	·
Signature				J			L

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QUALITY OILWELL CEMENTING, INC. Federal Tax 1.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	H	Iome Office	P.O. B	ox 32 Ru	ssell, KS 67665	No	000			
Sec		Range		County	State	On Location	Finish			
Date 8-18-12 28	24	Ge	анат	Анат Kansas 10:00 ра						
Lease HETER	Well No.	#1-28	Locatio	ON LJAK	ENCY NTO C	Les- 7w.	S/INTO			
Contractor MURETN	#16	· · · · · · · · · · · · · · · · · · ·	· · ·	Owner PI	THLIPS EX	PLOPATION				
Type Job TLID STROE	-STAO	E 2000-5	TETNO	You are here	Dilwell Cementing, Inc.	cementing equipme	nt and furnish			
Hole Size 7 7/8		cementer and helper to assist owner or contractor to do work as listed.								
Csg. 5½	•	To PHELEPS EXPLORATION								
Tbg. Size	•••••••••••••••••••••••••••••••••••••••		Street 1601 SAGEBRUSH							
Tool D.V. TOOL	Depth			City LUTCHITA State KS, 67230						
Cement Left in Csg.	Shoe .	Joint 17.8	3	The above w	as done to satisfaction a		er agent or contractor.			
Meas Line	Displa	œ 45₩54	<u>m 99 z</u>	Cement Am	ount Ordered 165	Q-peo-C-	LO'SALT			
	PMENT	•				· · · · · · · · · · · · · · · · · · ·				
Pumptrk 5 No. Cementer	ETT			Common	65	•	-			
	NNTE			Poz. Mix						
No. Driver	500		·	Gel.	Gel.					
JOB SERVIC	ES & REM/	ARKS	•	Galcium <	CL 4 g	sl				
Remarks:		<u></u>		Hulls	<u> </u>	· · · · · ·				
Rat Hole		· · · · · · · · · · · · · · · · · · ·	1. 41. A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A	Salt 4	<u>l</u>	·····				
Mouse Hole		·	• •	Flowseal						
Centralizers 3, 4, 5, L	7,10	13,44	7	Kol-Seal	<u>ک</u>					
Baskets 14,50	• (Mud CLR 4	8 500 gauo	INS				
D/V or Port Collar 50				CFL-117 or	CD110 CAF 38					
RAN FLOAT EQUITS	DENT	Deoppe	BAU	Sand						
ESTABLISHED C-TRO	URITO	N) - CTECH	LATER	Handling	<u>:74</u>	<u> na istana an </u>				
Ine-Visce37	<u>. </u>	0 <u>0</u> 0 <u>0</u> 2 <u>0</u> 200	DGAL	Mileage	in. Ar an airtí	AND	· · · · · · · · · · · · · · · · · · ·			
OP MUD CLE 48	4 TEN	Bbl Luf	TEE\$		FLOAT EQUIPN	IENT	· · · · · · · · · · · · · · · · · · ·			
KCL SDACER - M.	EXED	t Drube	<u>р-</u>	Guide Shoe						
165 SKS OF DALL	ITY PRO	<u>5</u>	<u>арт</u>	Centralizer	8-5/2 TU	ebds	· ·			
DOWN 55", SHU	TDOL	n Deop	PED	Baskets	<u>2-5%</u> "we	THEEFORDS				
PLUG & WASHED	12 pur	np-Re-		AFU Inserts						
CONNECTED AN	<u>d Des</u>	J ACED	<u>0</u>	Float Shoe	<u>1-52 u</u>	/Bau				
BEL'S 45WATER	+54 n	ملم	4 <u>0</u>	Latch Dowr	1 - 5/2"w	/ plug				
LANDED & HELD	Charles in the second	and states most	And the second second	<u> </u> D.v	rool w/Pi	ug & DART	-			
LET FALL TEN MI	n.d (Joener	<u>PN7</u>	20 GAI			Bottom			
TOOL - RE-ESTAT			Pumptrk Cf	narge prod	ong String	Stage				
LEFT PRESSI				Mileage 4	61	**************************************				
PLUG LANDE	<u> 0</u> 1,	500LBS	· · · · · ·		•	Ta				
TOOL OPENE	100	000 LB:	٢	Cemer	STER-French	La Discour				
Signature		<u> </u>		TOOL	HSHEP-ACT	On the Total Charg	e			

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