

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1166130

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?
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 Approved by: Date:				

	Side Two	1166130
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]Log Formatio	on (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	gical Survey	Yes No		ame		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	set-conductor, surface,	intermediate, produc	tion, 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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					ement Squeeze Record of Material Used)	Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF (BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	Peavey D 6-1
Doc ID	1166130

All Electric Logs Run

Geologists Report
Compensated Density Neutron Log
Micro Log
Sonic Log

Form	ACO1 - Well Completion
Operator	IA Operating, Inc.
Well Name	Peavey D 6-1
Doc ID	1166130

Tops

Name	Тор	Datum
Anhydrite	1293	+666
Base Anhydrite	1325	+634
Topeka	2939	-980
Heebner	3158	-1199
Toronto	3175	-1216
LKC	3199	-1240
ВКС	3421	-1462
Arbuckle	3534	-1576

QUALIT		L CEMENTING, INC.
Phone 785-483-2025 Cell 785-324-1041	a a <u>a</u> a	ox 32 Russell, KS 67665 No. 6964
Sec.	Twp. Range	County State On Location Finish
Date 6-10-13 6	11 18 EL	
	Locati	ON HAYS NTO REVEERD. 15 W- 234 N - W/ INTO
Lease PEAVEL D	Well No. # Lo-1	Owner T.A ODERATING
Contractor DD #1		To Quality Oilwell Cementing, Inc. J You are hereby requested to rent cementing equipment and furnish
Type Job Pass. STRING	2. 4	cementer and helper to assist owner or contractor to do work as listed.
Hole Size 778"	T.D. 3.580	Charge T.A. ODECATING
Csg. 51/2"	Depth 3578.16	Street 9915 W. 21ST - STE B
Tbg. Size	Depth	City WICHETA State KS, 67205
Tool POPT COLLAR	Depth	The above was done to satisfaction and supervision of owner agent or contractor
Cement Left in Csg.	Shoe Joint 21.79	Cement Amount Ordered 180 com-105 HLT-5 Grussmatte
Meas Line	Displace 8634	3
EQUIPM		Common/80
Pumptrk 5 No. Cementer Helper Berg	т₽.	Poz. Mix
Bulktrk# / No. Driver		Gel.
Bulktrk P/W No. Driver	v	Calcium
JOB SERVICES		Hulls
Remarks:		Salt 17
Rat Hole 30		Flowseal
Mouse Hole /5	e de la companya de La companya de la comp	Kol-Seal 900H
Centralizers 1, 3, 5, 7, 9, 11	13.40	Mud CLR 48 500 CA
Baskets 2, 1,241		CFL-117 or CD110 CAF 38
For Port Collar #41		Sand
DRODDED BALL- BROK	E ATRALLIATTON -	Handling
CTECHATED Vahe. ON		Mileage
500GALOFMUNCLe 48		FLOAT EQUIPMENT
30-5KS- DLUGED MOUE		Guide Shoe
#2 more 135555 ba	UNITA - WOSHER OUM	Centralizer 8-515"TURDS-1-55"Reg
* Droppen plug . Dr	1 M M M M M M M M M M M M M M M M M M M	Baskets 3- 55" BASKETS
LANNED & HELD!	······································	AFU inserts
		Float Shoe /-5%" w/BAIL
LIPT PRESSUREQ	8001RS	Latch Down 1.5%" Lul PLUG
PLUG LANDED @ 82K	BWS&LLADUBS.	1.5K" POT MIAR
- congratistice -		
	in a start in a	Pumptrk Charge Doco Long String
<u>e en an antena en a</u>	en e	Mileage 2/
TRANK W	mu	Tax
Sloge Charmen		Discount
X Signature		Total Charge

Phone 785-483-2025 Cell 785-324-1041	Home Office P.O.	ax I.D.# 20-2 Box 32 Ru		No.	6870
	ec. Twp. Range	County	State KS	On Location	Finish 2 15pm
			to River Rd. 1%	Sw to 240 Ro	1,234Nto
Lease PEA vey De	S-1 Well No.	Owner PV	Ranch Sing Iw	sw to gate	с
Contractor APS #3		To Quality (Oilwell Cementing, Inc. reby requested to rent of	V	and furnish
Type Job Port Collar		cementer a	and helper to assist own	her or contractor to do	work as listed.
Hole Size 7%	T.D.	Charge J.	A. Operating	- *.	
Csg. 5 1/2	Depth	Street			ł.,
Tbg. Size 2 3	Depth	City	2 0	State	. **
Tool	Depth	The above w	vas done to satisfaction an	nd supervision of owner	agent or contracto
Cement Left in Csg.	Shoe Joint	Cement An	nount Ordered 350	QMDC 4 # F	low
Meas Line	Displace	Used			
	QUIPMENT	Common	25 QMbc		
Pumptrk 15 No. Cemente Helper	"Nick	Poz. Mix			
No Driver	onnie M.	Gel.	<i>и</i> ц		
On No. Driver	ravis	Calcium			
	ICES & REMARKS	Hulls	5 .	5.4	
Remarks:		Salt		-	
Rat Hole	а — 1 ^{- и} —	Flowseal	37#	N	
Mouse Hole		Kol-Seal	5	a a	
Centralizers	антаналанан алар алар алар алар алар алар а	Mud CLR 4	48		
Baskets		CFL-117 0	r CD110 CAF 38		
D/V or Port Collar 1962		Sand 2			
	not spoted sand at	Handling	350		5 7
	to 1962 tested portco	-		ан и ¹	
	nend port coller mixed		FLOAT EQUIPM	ENT	
225 SX AMDC 4	Flow to circulate,	Guide Sho	e		
	bbl fw closed porto	Centralizer		· · · · · ·	
	ran 5 Joints washed		а 1		
	washed sand offplug	AFU Insert	IS	2	
		Float Shoe)	9 2 ¹⁰	
	1	Latch Dow	n	· · · ·	
		5			
			2		
	······································	Pumptrk C	harge port C	ollar	
1		Mileage 2	2/ 1		
				Tax	-
	n na an			Discount	
	1 I	5 8 [°] 9			

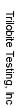
Phone 785-483-2025 Home Cell 785-324-1041	Office P.O. Box 32 Russell, KS 67665 No. 6946
Date 6-4-13 6 11 1	ange County State On Location Stipsh
0 (D	Location Hays N to KIVOF BU 12 W to 240
Lease QUEY Well N	
Contractor Jis Gruppy -	To Quality Oilwell Čementing, Inc. You are hereby requested to rent cementing equipment and furnish
Type Job Subface	cementer and helper to assist owner or contractor to do work as lister Charge
Hole Size T.D.	2 a To DE Charge
Csg. 828 Depth 24	2.0) Street In Operating
Tbg. Size Depth	City State
Tool Depth	The above was done to satisfaction and supervision of owner agent or contra
Cement Left in Csg. 40-74 Shoe Joint	2077 Cement Amount Ordered 50 Com Stocc
Meas Line 234 Displace 15	5,5 BBL 2/0 Bel
EQUIPMENT	Common 150
Pumptrk 5 No. Cementer met	Poz. Mix
Bulktrk 3 No. Driver Brett	Gel. 3
Bulktrk DG No. Driver Doges	Calcium 5
JOB SERVICES & REMARKS	Hulls
Remarks:	Salt
Rat Hole DPailey D	6- Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
	Handling 158
Comen Ald	Mileage
	858 FLOAT EQUIPMENT
(AVialate	Guide Shoe
	Centralizer
andan yang berken ang b Berken ang berken ang be	Baskets L
	AFU Inserts
na na serie de la composición de la com En la composición de l	Float Shoe
	Latch Down
an a	
	Pumptrk Charge Surface
بر معرف المراجع و المحمد الم	Mileage) /
	Tax
	Discount

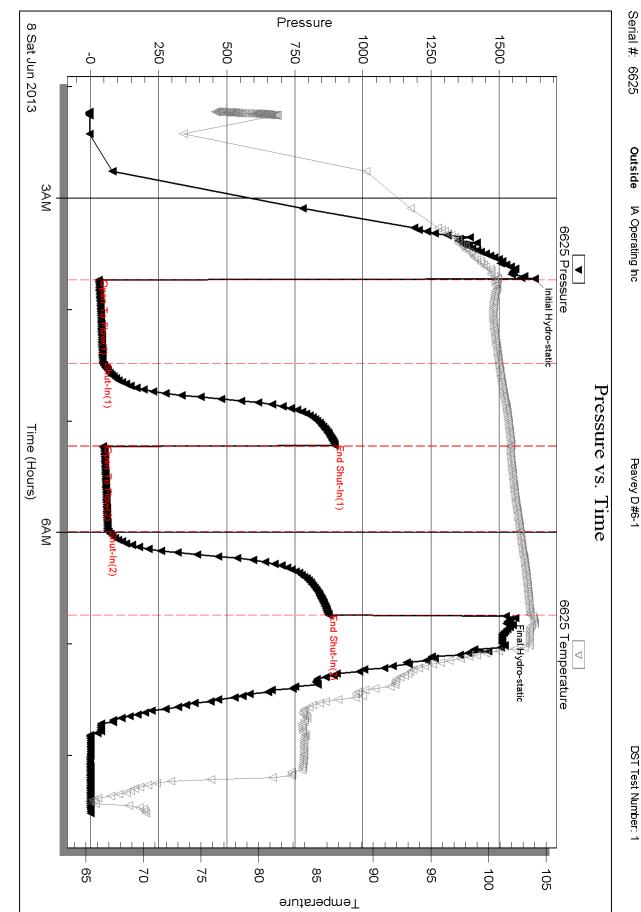
	DRILL STEM TES	TREP	ORT				
RILOBITE	IA Operating Inc		6-11s	-18w			
ESTING , INC	9915 W 21 st		Peav	/ey D #6	-1		
	Ste B Wichota Ks 67205		Job Tie	cket: 5386	53 DS T	DST#: 1	
	ATTN: Marc Dow ning		Test S	Start: 2013	3.06.08 @ 02:13:2	21	
GENERAL INFORMATION:							
Formation:LKC-C-DDeviated:NoWhipstock:Time Tool Opened:03:43:51Time Test Ended:08:32:21	ft (KB)		Test T Tester Unit No	r: Jef	nventional Bottom f Brow n	ı Hole (Initial)	
Interval:3212.00 ft (KB) To32Total Depth:3264.00 ft (KB) (TVHole Diameter:7.80 inches Hole			Refere	ence Eleva KB to (1948	.00 ft (KB) .00 ft (CF) .00 ft	
Serial #: 6625OutsidePress@RunDepth:63.57 psigStart Date:2013.06.08Start Time:02:13:22TEST COMMENT:IFP=Good blow B ISI=Dead no blow	End Date: End Time: OB in 24 1/2 min	2013.06.08 08:31:21	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 20 ⁻	8000 2013.06 13.06.08 @ 03:43 13.06.08 @ 06:44	:21	
FFP=Good blow I FSI=Dead no blov Pressure vs. Tr 0025 Pressure	w back	Time			SUMMARY		
	- 100 - 100 - 00 - 00	(Min.) 0 1 46 90 90	(psig) (1629.28 30.58 46.03 897.67	(deg F) 100.80 lr 100.56 C 100.90 S 101.97 E	nitial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2)		
	- 65 mproperture	136 181 182	63.57 874.14	102.73 S 103.61 E			
34M 8 Sat Jun 2013 Time (Hours)	6AM						
Recovery				Gas	Rates		
Length (ft) Description 32.00 HOCM 45%O 55%M	Volume (bbl) 0.45			Choke (inch	Pressure (psig)	Gas Rate (Mcf/d)	
63.00 HOCGM 20%G 35%O 45°							
346-GIP							
Trilobite Testing. Inc	Ref. No: 53863			D)13.06.08 @ 23:1		

an-		DRI	LL STEM TEST RE	PORT	Г			UMMARY
	RILOBITE	IA Ope	rating Inc		6-11s-18w	,		
	ESTING , INC.	9915 V	V 21 st		Peavey D	#6-1		
	-		Vichota Ks 67205		Job Ticket: 4		DST#:1	
		ATTN:	Marc Dow ning			2013.06.08 @ 0		
			<u> </u>					
	ushion Information							
			Cushion Type:		4	Oil API:		deg API
Mud Weight: Viscosity:	9.00 lb/gal 74.00 sec/qt		Cushion Length: Cushion Volume:		ft bbl	Water Salinity:		ppm
Water Loss:	7.59 in ³		Gas Cushion Type:		551			
Resistivity:	ohm.m		Gas Cushion Pressure:		psig			
Salinity:	2000.00 ppm							
Filter Cake:	inches							
Recovery Ir	nformation							
	r		Recovery Table		1	-		
	Leng ft	th	Description		Volume bbl			
		32.00	HOCM 45%O 55%M		0.44	9		
		63.00	HOCGM 20%G 35%O 45%M		0.88	4		
			346-GIP					
	Total Length:	95	.00 ft Total Volume:	1.333 bbl				
	Num Fluid Samp		Num Gas Bombs: 0)	Serial #	:		
	Laboratory Nam		Laboratory Location:					
	Recovery Com	nents:						

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Ref. No: 53863





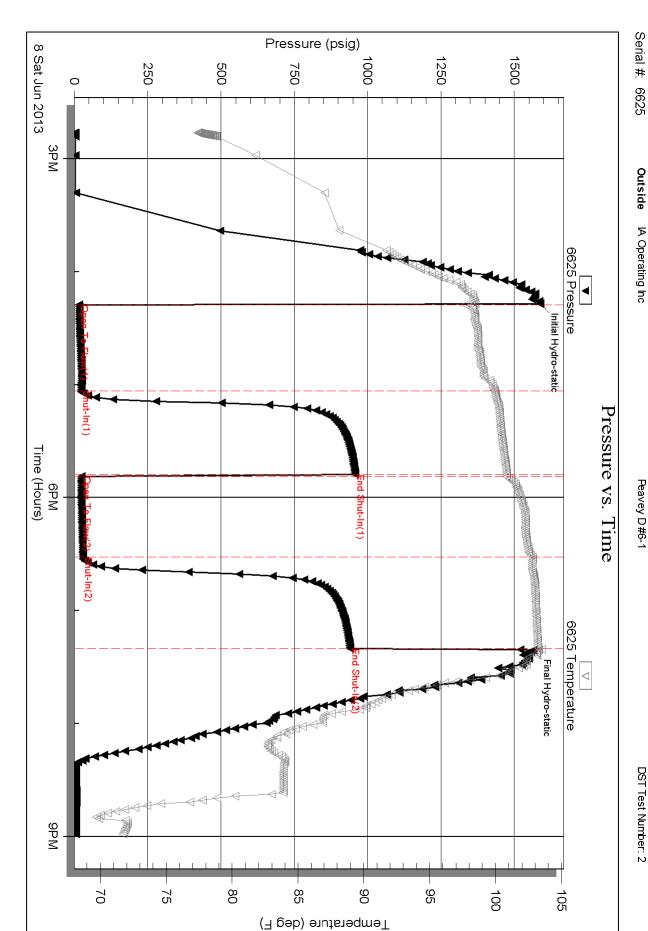
DST Test Number: 1

	RILOBITE	DRILL STEM TE	ST	REP	ORT				
· 新生		IA Operating Inc			6-1	1s-18w			
	ESTING , INC.				Ре	avey D	#6-1		
		Ste B Wichota Ks 67205			Job	Ticket: 53	3864	DST#: 2	
		ATTN: Marc Dow ning			Tes	t Start: 20)13.06.08 @	2 14:46:09	
GENERAL INF	ORMATION:								
Formation: Deviated: Time Tool Opened Time Test Ended:		ft (KB)			Tes	ter:	Conventiona Jeff Brow n 67	al Bottom Hol	e (Reset)
Total Depth:	262.00 ft (KB) To 32 3289.00 ft (KB) (TV	/D)			Ref	erence Ele		1954.00 1948.00	ft (CF)
Hole Diameter:	7.80 inchesHole	Condition: Good				KB	o GR/CF:	6.00	ft
Serial #: 6625 Press@RunDepth Start Date: Start Time:		 3266.00 ft (KB) End Date: End Time: 		3.06.08 0:58:39	Capacity Last Cali Time On Time Off	b.: Btm:	2013.06.08 2013.06.08		psig
IEST COMME	NT: IFP=Weak blow I ISI=Dead no blow FFP=Weak blow FSI=Dead no blo	/ back built to 3/4 in w back							
6	Pressure vs. T			.					
1200 1200 700 200 2200 37M	The (Hous)	Fail Hydroster: 105 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	Temperature (deg F)	Time (Min.) 0 1 46 91 92 135 183 183	Pressure (psig) 1588.54 16.27 24.16 957.96 24.40 29.62 940.32 1563.11		Open To F Shut-In(1) End Shut-In Open To F Shut-In(2)	o-static low (1) n(1) low (2) n(2)	
	Recovery				ļ	Ga	s Rates		
	Description	Volume (bbl)	[Choke (nches) Pressu	ure (psig) Ga	s Rate (Mcf/d)
Length (ft)						•			
	SOCWM 2%O 20%W 7	8%M 0.07							
5.00 VS	SOCWM 2%O 20%W 7 ud w ith a scum of oil	8%M 0.07 0.43							
5.00 VS									
5.00 VS									
5.00 VS									

(On-		DRI	LL STEM TEST REPORT	Г		FLUID S	UMMAR
RILOBITE		IA Ope	rating Inc	6-11s-18w	,		
	ESTING, INC		V 21 st Vichota Ks 67205	Peavey D		DST#:2	
		ATTN:	Marc Dow ning		2013.06.08 @ 1 [,]		
Mud and Cu	ushion Information						
	iel Chem		Cushion Type:		Oil A PI:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:		ppm
/iscosity:	49.00 sec/qt		Cushion Volume:	bbl	·····,		PP
Water Loss:	7.99 in ³		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:	psig			
Salinity:	4000.00 ppm			1 - 5			
Filter Cake:	inches						
Recovery In	nformation		Decement Table				
			Recovery Table	1	-		
	Leng ft		Description	Volume bbl			
		5.00	VSOCWM 2%O 20%W 78%M	0.07	0		
		31.00	Mud w ith a scum of oil	0.43	5		
	Total Length:	36	.00 ft Total Volume: 0.505 bbl				
	Num Fluid Sam		Num Gas Bombs: 0	Serial #	4.		
	Laboratory Nar		Laboratory Location:	Senai #	·.		
	Recovery Com						

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Peavey D#6-1

DST Test Number: 2

Trilobite Testing, Inc

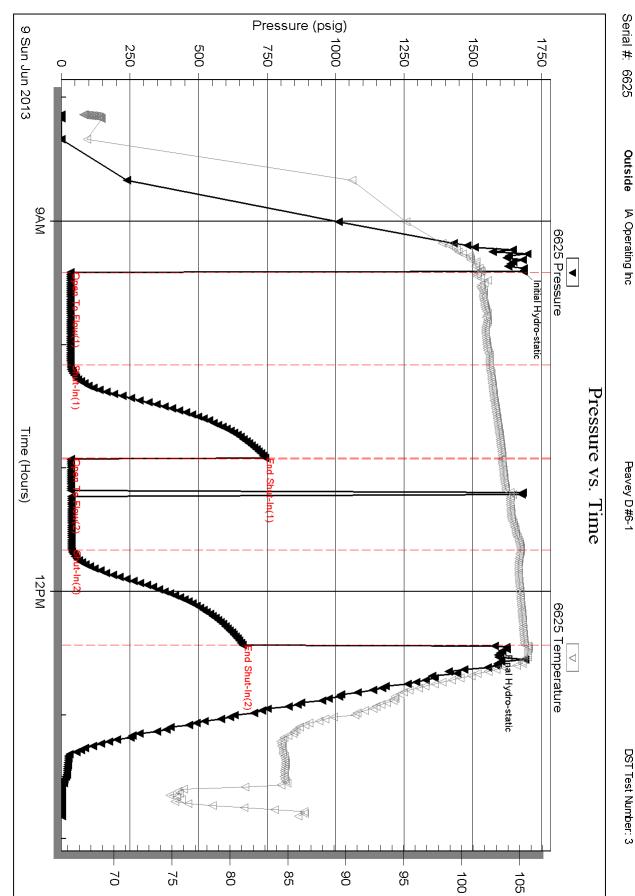
ting Inc 21 st chota Ks 67205 Marc Dow ning ft (KB) B) (TVD) Good 5.00 ft (KB) I Date:		Job Tick Test Sta Test Typ Tester: Unit No:	y D #6-1 et: 53865 rt: 2013.06.0	DST#: 3 09 @ 08:08:23 tional Bottom Hol ow n	
chota Ks 67205 Varc Dow ning ft (KB) B) (TVD) Good		Job Tick Test Sta Test Typ Tester: Unit No:	et: 53865 rt: 2013.06.0 	09 @ 08:08:23	
Marc Dow ning ft (KB) B) (TVD) Good		Test Sta Test Typ Tester: Unit No:	rt: 2013.06.0 pe: Convent Jeff Bro 67	09 @ 08:08:23	
ft (KB) B) (TVD) Good 5.00 ft (KB)		Test Typ Tester: Unit No:	be: Convent Jeff Bro 67	tional Bottom Hol	e (Reset)
B) (TVD) Good 6.00 ft (KB)		Tester: Unit No:	Jeff Bro 67		e (Reset)
B) (TVD) Good 6.00 ft (KB)		Tester: Unit No:	Jeff Bro 67		e (Reset)
Good 6.00 ft (KB)		Reference	ce Elevations		
			KB to GR/CI	1948.00	ft (CF)
i Time: . in jed-Then died	2013.06.09 13:49:23	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 2013.06.09 0.09 @ 09:24:23 0.09 @ 12:26:23	psig
		PRES	SURE SU	MMARY	
	Time (Min.) 0 1 46 91 91 136 132 182	Pressure (psig) Te (de 1684.03 1684.03 10 33.27 10 34.21 10 741.36 10 35.94 10 37.17 10 660.07 10	Anno ag F) Anno 01.67 Initial H 01.40 Open 02.42 Shut-Ir 03.52 End SH 03.48 Open 05.10 Shut-Ir 95.42 End SH	Diation Hydro-static To Flow (1) n(1) hut-In(1) To Flow (2)	
	·	•	Gas Rate	es	
Volume (bbl)		(Choke (inches) F	Pressure (psig) Ga	as Rate (Mcf/d)
	0.21				

	RILOBITE	DRI	LL STEM TEST REPO	ORT	-		FLUID S	UMMARY
		IA Ope	rating Inc		6-11s-18w			
ESTING , INC.		0010 1	9915 W 21 st Ste B Wichota Ks 67205 ATTN: Marc Dow ning			#6-1 3865	DST#:3	
		ATTN:				013.06.09 @ 08	3:08:23	
Mud and Cu	shion Information							
Mud Type: Ge Mud Weight: Viscosity: Vater Loss: Resistivity: Salinity: Filter Cake:	el Chem 9.00 lb/gal 50.00 sec/qt 8.79 in ³ ohm.m 8000.00 ppm inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		ft bbl psig	Oil API: Water Salinity:		deg API ppm
Recovery In	formation							
	· · ·	4	Recovery Table			1		
	Leng ft		Description		Volume bbl			
	Total Length:	15.00	Mud w ith oil spots .00 ft Total Volume: 0.21	10 bbl	0.210			
	Laboratory Nan Recovery Com		Laboratory Location:					



Ref. No: 53865

Trilobite Testing, Inc



Temperature (deg F)

Outside IA Operating Inc

Peavey D#6-1

DST Test Number: 3