

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1072753

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 Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
	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:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf. Conv. to ENHR Conv. to SWD	
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 #:	Lease Name: License #:
SWD Permit #:	
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
Confidential Release Date:
Wireline Log Received Geologist Report Received
UIC Distribution ALT I II III Approved by: Date:

	Side Two	
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			n (Top), Depth an		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted B (If no, Submit Copy)	Electronically	 Yes No Yes No Yes No 					
List All E. Logs Run:							
		Report all strings set-o	conductor, surface, inte	ermediate, producti	on, etc.		1
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 F		e			ement Squeeze Record of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	λ .	Producing M	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Mid-Continent Energy Corp.
Well Name	McClure Farms 1
Doc ID	1072753

Tops

Name	Тор	Datum
Heebner	3385	-1529
Brown Lime	3551	-1695
Lansing KC	3574	-1718
Base KC	3874	-2018
Mississippian	3980	-2124
Viola	4033	-2172
Simpson Shale	4153	-2297
Arbuckle	4220	-2364

DATE OF	- Joll disti		TKS.	NEW X					STOMER DER NO.:	n de la constante Mentalitation Mentalitation
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DRILL STEM TEST REPORT

Prepared For: Mid-Continent Energy Corp

105 S Broadway STE 360 Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

McClure Farms #1

23-25s-12w Stafford,KS

Start Date:	2011.11.05 @	07:15:06	
End Date:	2011.11.05 @	19:12:36	
Job Ticket #:	44075	DST#:	1

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

RILOBITE		~~	PORT			······
	Mid-Continent Energy Corp			3-255-12	w Stafford	KG
ESTING , INC	105 S Broadw ay STE 360 Wichita, KS 67202+4280				Farms #1	
	ATTN: Jack Buehler/ Ben La			b Ticket:		DST#:1
GENERAL INFORMATION:			ie	est Start: 2	2011.11.05 @	07:15:06
Formation:Kansas CityDeviated:NoWhipstock:Time Tool Opened:11:43:06Time Test Ended:19:12:36	ft (KB)	·	Te	st Type: ster: it No:	Conventional Chris Staats 34	Bottom Hole (Initial)
Interval: 3581.00 ft (KB) To 36 Total Depth: 3631.00 ft (KB) (Tv Hole Diameter: 7.88 inchesHole			Re	ference E		1856.00 ft (KB) 1843.00 ft (CF) 13.00 ft
Serial #: 8166 Outside Press@RunDepth: 111.67 psig 0 Start Date: 2011.11.05 07:15:11 Start Time: 07:15:11 07:15:11 TEST COMMENT: IF: Strong blow Bill St. No blow back	End Date: End Time: DB 1 min	2011.11.05 19:12:36	Capacity Last Cal Time On Time Off	ib.: Btm	2 2011.11.05 @ 2011.11.05 @	
FF: Strong blow E FSI: Weak blow bi Pressure vs. Tin etco Pressure	ack 2"	Time	PI	RESSUF	RE SUMMA	RY
720 220 220 220 220 220 220 220		(Min.) 0 2 33 91 93 150 242 244	(psig) 1785.33 40.05 93.13 1221.42 70.73 111.67 1208.14 1733.46	(deg F) 104.87 105.47 109.19 110.18 110.25 112.84 113.65	Initial Hydro-s Open To Flov Shut-In(1) End Shut-In(1 Open To Flov	v (1)) v (2)))
Recovery				Gas	Rates	
Length (ft) Description 0.00 1500' GIP 120.00 oil cut W.M 1% oil 39% w at	Volume (bbl) 0.00 er 60% muc 1.13			Choke (in	ches) Pressure ()	osig) Gas Rate (Mct/d)

Trilobite Testing, Inc

Printed: 2011.11.16 @ 16:32:51

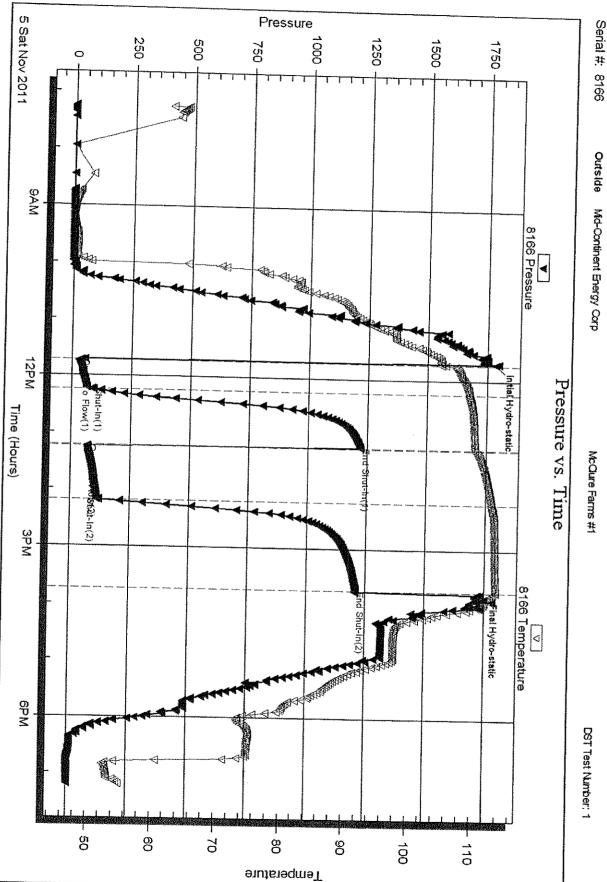
	BITE	DRIL	L STE	EM TES	T REPOR	Т	TOOL DIAGRA
		Mid-Contir	nent Energ	ly Corp		23-25s-12w Stafford	
	TÍNG , INC	105 S Bro Wichita, K	adw ay S1 S 67202+	TE 360 -4280		McClure Farms#1	
						Job Ticket: 44075	DST#:1
uhædli.		ATTN: Ja	ick Buehle	er/ Ben La		Test Start: 2011.11.05 (፬ 07:15:06
Tool Information						<u>, with a second of the second</u>	
Drill Pipe: Length:			3.80 in	iches Volume	49.22 bbl	Tool Weight;	2200.00 lb
Heavy Wt. Pipe: Length:		Diameter:	0.00 in	iches Volume	0.00 bbl	Weight set on Packer	
Drill Collar: Length:	61.00 ft	Diameter:	2.25 in	ches Volume	0.30 bbl	Weight to Pull Loose:	
Drill Pipe Above KB:	18.00 ft			Total Volume	49.52 bbl	Tool Chased	2.00 ft
Depth to Top Packer:	3581.00 ft					String Weight: Initial	40000.00 lb
Depth to Bottom Packer:	ft					Final	41000.00 lb
Interval between Packers:	50.00 ft						
Tool Length:	79.00 ft						
Number of Packers:	2 [Dameter:	6.75 in	ches			
Tool Comments:							
				·			
Tool Description	Len	gth (ft) Se	rial No.	Position	Depth (ft) Ac	cum. Lengths	
Change Over Sub		1.00			3553.00		
Shut in Tool		5.00			3558.00		
Hydraulic tool		5.00			3563.00		
Jars		5.00			3568.00		
5-6-1		3.00			3571.00		
sarety Joint							
-		5.00			3576.00	29.00	Rottom Of Top Packer
Packer		5.00 5.00			3576.00	29.00	Bottom Of Top Packer
Packer Packer				984444 - 1 ₉₇₆₉ - 1977 - 1978 - 1977 - 1978	3581.00	29.00	Bottom Of Top Packer
Packer Packer Stubb		5.00	6773	Outside	3581.00 3582.00	29.00	Bottom Of Top Packer
Packer Packer Stubb Recorder		5.00 1.00	6773 8166		3581.00 3582.00 3582.00	29.00	Bottom Of Top Packer
Packer Packer Stubb Recorder Recorder		5.00 1.00 0.00		Outside Outside	3581.00 3582.00 3582.00 3582.00	29.00	Bottom Of Top Packer
Packer Packer Stubb Recorder Recorder Perforations	1	5.00 1.00 0.00 0.00 4.00			3581.00 3582.00 3582.00 3582.00 3582.00	29.00	Bottom Of Top Packer
Packer Packer Stubb Recorder Recorder Perforations Change Over Sub	1	5.00 1.00 0.00 0.00 4.00 0.50			3581.00 3582.00 3582.00 3582.00 3596.00 3596.50	29.00	Bottom Of Top Packer
Safety Joint Packer Packer Stubb Recorder Recorder Perforations Change Over Sub Drill Ripe Change Over Sub	1	5.00 1.00 0.00 0.00 4.00			3581.00 3582.00 3582.00 3582.00 3596.00 3596.50 3627.50	29.00	Bottom Of Top Packer
Packer Packer Stubb Recorder Recorder Perforations Dhange Over Sub Drill Pipe	1 3	5.00 1.00 0.00 0.00 4.00 0.50 91.00			3581.00 3582.00 3582.00 3582.00 3596.00 3596.50		Bottom Of Top Packer

(OA)	RILOBITE	DR	ILL STEM TEST R	EPOR	Γ	FL	UID SUMMARY
調	ESTING , INC	Mid-Ca	ontinent Energy Corp	<u></u>	23-25s-12	w Stafford,KS	·····
	EOTING, INU	105 S Wichit	Broadw ay STE 360 a, KS 67202+4280		McClure		
NON.		ΑΤΤΝ	Jack Buehler/ Ben La		Job Ticket: <	2011.11.05 @ 07:1	XST#:1 5:06
Mud and Cu	shion Information	·····		· · · · · · · · · · · · · · · · · · ·			
	el Chem		Outline T				
Mud Weight:	9.00 lb/gal		Cushion Type: Cushion Length:		<i>.</i>	Oil API:	deg API
Viscosity:	53.00 sec/qt		Cushion Volume:		ft	Water Salinity:	ppm
Water Loss:	9.17 in ³		Gas Cushion Type:		bbl		
Resistivity:	0.00 ohmm		Gas Oushion Pressure:		psig		
Salinity:	5000.00 ppm				paig		
Tilter Cake:	0.02 inches						
Recovery In	formation						
			Recovery Table			_	
	Lengt ft	h	Description		Volume bbl		
		0.00	1500' GIP		0,000	- ·	
		120.00	oil cut W,M 1% oil 39% w ater 60	% mud	1.128	4	
		20.00	oil cut MW 1% oil 19% mud 80%		1.683	" †	
	Total Length:	240	.00 ft Total Volume:	2.811 bbl		**	
	Num Fluid Sampl	es: 0	Num Gas Bombs:	D	Serial #		
	Laboratory Nam	∋:	Laboratory Location:				
	Recovery Comm	ents:					
					<i>n</i>		
				÷			

Printed: 2011.11.16 @ 16:32:53

Ref. No: 44075

Trilobite Testing, Inc



Outside Md-Continent Energy Corp

McCure Farms #1



DRILL STEM TEST REPORT

Prepared For: Mid-Continent Energy Corp

105 S Broadway STE 360 Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

McClure Farms #1

23-25s-12w Stafford,KS

Start Date:	2011.11.06 @	03:36:18	
End Date:	2011.11.06 @	10:09:48	
Job Ticket #:	44076	DST#:	2

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

		I		·····			
1 ADA	RILOBITE	DRILL STEM TE	ST REF	PORT			-
「「「「「「」」	ESTING, INC	Md-Continent Energy Corp		2	3-25s-12	w Stafford	l,KS
	EOTING, INC	105 S Broadway STE 360 Wichita, KS 67202+4280		M	lcClure	Farms #1	
	4			Jo	b Ticket:	44076	DST#:2
		ATTN: Jack Buehler/ Ben La		Te	est Start: :	2011.11.06 @	03:36:18
	L INFORMATION:						
Formation: Deviated;	Kansas City No Whipstock:	Et all and					
Time Tool O	pened: 05:56:03	ft (KB)			st Type:		Il Bottom Hole (Reset)
Time Test Ei	nded: 10:09:48				ster: it No:	Chris Staats 34	
Interval:	3645.00 ft (KB) To 36	i95.00 ft (KB) (TVD)				levations:	1950 00 8 (10)
Total Depth: Hole Diamete						evalues.	1856.00 ft (KB) 1843.00 ft (CF)
		Condition: Fair			KB	to GR/CF:	13.00 ft
Serial #:		· · · · · · · · · · · · · · · · · · ·				<u></u>	
Press@Runi Start Date:	10	• •		Capacity	<i>r</i> :		8000.00 psig
Start Time:	2011.11.06 03:36:23	End Date: End Time:	2011.11.06	Last Cal			2011.11.06
	00.00.20		10:09:47	Time On Time Off		2011.11.06 @	
TESTOON				Inte Of	oun	2011.11.06 @	ש 07:54:48
	MMENT: IF: Weak Surface ISt: No blow back	blow blow Died					
	FF: Weak surface						
	FSI: No blow back	<					
	Pressure vs. Th	ne	1				
E	EY] Bitti Pressum	8X0 Temporaure	Time	Pressure		RE SUMMA	
1750	W	- 110	(Min.)	(psig)	Temp (deg F)	Annotation	1
1500		103	0	1788.09	101.56	Initial Hydro-	static
1270			2	25.88	101.62		w(1)
r F	1	- mittag	59	64.39 1160.76	105.14 106.67		1)
*000			60	61.82		Open To Flor	
700		-f	92	77.11	109.43	Shut-In(2)	
·			118	1096.11		End Shut-In(
1			121	1763.00	110.39	Final Hydro-s	static
200							
		litna					
E _{mmenun} isan Nov 2011		- 50 					
	Stre(Hous)						
	Recovery				Gas	Rates	
Length (ff)	Description	Voiume (bbi)			Choke (in		psig) Gas Rate (Mcf/d)
60.00	MW 80%W 20%M	0.30			·	· · · · · · · · · · · · · · · · · · ·	
60.00	VM 20%W 80%M	0.83					
	·	·					
Recovery from mu	tiple tests						
Trilobite Te	· · · · · · · · · · · · · · · · · · ·		··				

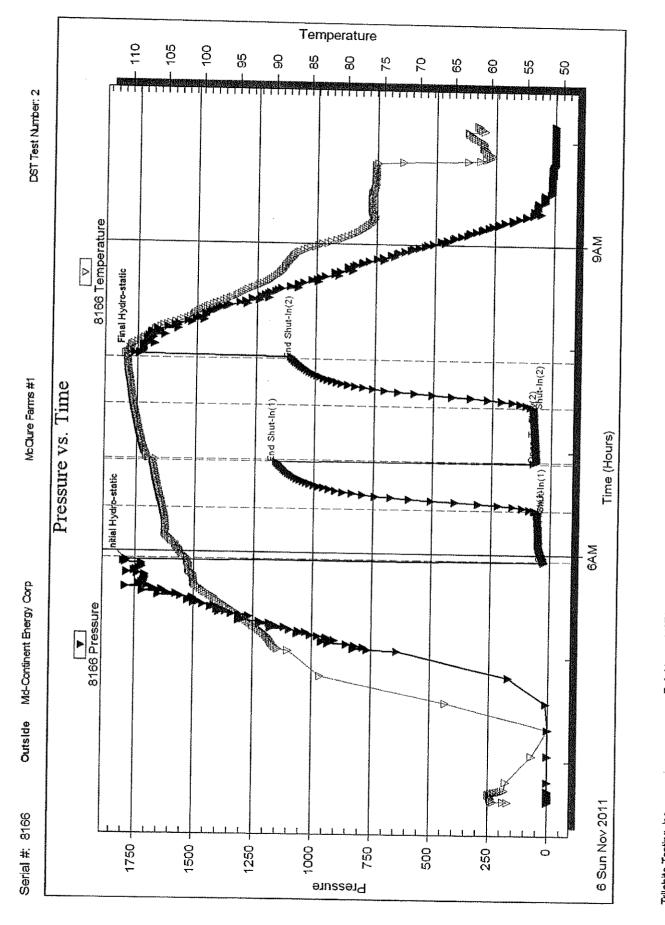
te Testing, Inc

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	RILOE		Mid-Cor	ntinent Energ	y Corp		23-25s-12w Sta	afford,KS	• • •
	E 81	TING , INC	10000	Broadway ST	TE 360		McClure Farm	ıs #1	
			vvicnita	, KS 67202+	4280		Job Ticket: 44076	DST#:2	
THOMAS IN			ATTN:	Jack Buehle	r/ Ben La		Test Start: 2011.1	1.06 @ 03:36:18	
Tool Information	1								
Drill Pipe: L	Length:	3572.00 ft	Diameter:	3.80 in	ches Volume:	50.11 bb	Tool Weight:	2200.00 lb	
Heavy Wt. Pipe: L	Length:	0.00 ft	Diameter:		ches Volume:	0.00 bb		Packer: 25000.00 lb	
Drill Collar: L	Length:	61.00 ft	Diameter:	2.25 in	ches Volume:	0.30 bb		.oose: 45000.00 lb	
Drill Pine Above KD) <i>.</i>	47.00.0			Total Volume:	50.41 bb		2.00 ft	
Drill Pipe Above KB Depth to Top Packe		17.00 ft 3645.00 ft					String Weight: I		
Depth to Bottom Packe		3045.00 ft					-	Final 40000.00 lb	
Interval between Pa		50.00 ft							
Tool Length:	donero.	79.00 ft							
Number of Packers:	-	2	Diameter:	6.75 in	ches				
MILLOU OF FACKEIS.	•								
Tool Comments:									
Tool Comments: Fool Description			ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub			1.00	Serial No.		Depth (ft) 3617.00	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool			1.00 5.00	Serial No.		· · · · · · · · · · · · · · · · · · ·	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool			1.00 5.00 5.00	Serial No.		3617.00	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars			1.00 5.00	Serial No.		3617.00 3622.00	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint			1.00 5.00 5.00	Serial No.		3617.00 3622.00 3627.00	Accum. Lengths		
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer			1.00 5.00 5.00 5.00 3.00 5.00	Serial No.		3617.00 3622.00 3627.00 3632.00	Accum. Lengths	Bottom Of Top Pag	:kei
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer			1.00 5.00 5.00 5.00 3.00 5.00 5.00	Serial No.		3617.00 3622.00 3627.00 3632.00 3635.00		Bottom Of Top Pac	cker
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb			1.00 5.00 5.00 5.00 3.00 5.00 5.00 5.00 1.00		Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00		Bottom Of Top Par	:ke
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder			1.00 5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00	6773	Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00		Bottom Of Top Pac	cke
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder		Ler	1.00 5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00		Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00 3646.00		Bottom Of Top Par	:kei
Fool Comments: Fool Description Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Recorder Recorder Recorder Reforations		Ler	1.00 5.00 5.00 5.00 5.00 5.00 5.00 1.00 0.00 0	6773	Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00 3646.00 3646.00		Bottom Of Top Par	ke
Fool Comments: Fool Description Change Over Sub Shut In Tool tydraulic tool ars Safety Joint Cacker		Ler	1.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	6773	Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00 3646.00 3660.00 3660.50		Bottom Of Top Par	ke
Tool Comments: Fool Description Change Over Sub Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Packer Stubb Recorder Recorder Recorder Perforations Change Over Sub Drill Pipe		Ler	1.00 5.00 5.00 5.00 5.00 5.00 5.00 1.00 0.00 0	6773	Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00 3646.00 3660.50 3660.50 3691.50		Bottom Of Top Par	cke
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder		Ler	1.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	6773	Position	3617.00 3622.00 3627.00 3632.00 3635.00 3640.00 3645.00 3646.00 3646.00 3646.00 3660.00 3660.50		Bottom Of Top Pad	:ke

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ION"	T RILOBITE	DR	ILL STEM TEST REPOR	RT	TO MARK HERE AND A LEASE	LUID SUMMAR
正朝	TESTING , INC	Mid-C	ontinent Energy Corp	23-255-12	w Stafford,K	
	ESTING, INC	1000	Broadway STE 360 a, KS 67202+4280		Farms #1	
NON I		ATIN	Jack Buehler/ Ben La	Job Ticket: Test Start:	44076 2011.11.06 @ 03	DST#:2 :36:18
Mud and C	ushion Information					·
	el Chem					
Mud Weight:	9.00 lb/gal		Cushion Type:		Oil API:	deg API
Viscosity:	53.00 sec/qt		Cushion Length: Cushion Volume;	ft	Water Salinity:	18000 ppm
Water Loss:	9.16 in ³		Gas Cushion Type:	bbl		
Resistivity:	0.00 ohmm		Gas Cushion Pressure:			
Salinity:	5000.00 ppm		Cas Cushion Pressure:	psig		
Filter Cake:	0.02 inches					
Recovery In	formation					
			Recovery Table			
	Lengti	ר	Description	Volume bbl]	
		60.00	MW 80%W 20%M	0.295	-	
		60.00	VM 20%W 80%M	0.833		
	Total Length:	120	.00 ft Total Volume: 1.128 bb	,	4	
	Num Fluid Sample	es: O	Num Gas Bombs: 0	Serial #		
	Laboratory Name		Laboratory Location:	0010171		
	Recovery Comm	ents: Rw	/ .21 @ 55			
						-
			·			
						,



Printed: 2011.11.16 @ 16:33:12

Ref. No: 44076

Trilobite Testing, hc



DRILL STEM TEST REPORT

Prepared For:

Mid-Continent Energy Corp

105 S Broadway STE 360 Wichita, KS 67202+4280

ATTN: Jack Buehler/ Ben La

McClure Farms #1

23-25s-12w Stafford,KS

Start Date:	2011.11.06	@ 20:32:58	
End Date:	2011.11.07	@ 04:45:28	
Job Ticket #:	44102	DST#:	3

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

Printed: 2011.11.16 @ 16:33:31

RILOBITE	Mid-Continent Energy Corp)	2	3-25s-12	w Stafford,KS	
ESTING , IN	0 105 S Broadw ay STE 360 Wichita, KS 67202+4280				Farms #1	
			Jo	ob Ticket: -	44102 DST	[#:3
	ATTN: Jack Buehler/ Ben	La	Te	est Start: 2	2011.11.06 @ 20:32:5	8
GENERAL INFORMATION:		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
Formation: KC Deviated: No Whipstock: Time Tool Opened: 22:49:13 Time Test Ended: 04:45:28	ft (KB)		Те	est Type: ester: hit No:	Conventional 3ottom Chris Staats 34	Hole (Reset)
Interval: 3730.00 ft (KB) To : Total Depth: 3631.00 ft (KB) (3759.00 ft (KB) (TVD) TVD)			eference E	levations: 1856.	00 ft (KB)
Hole Diameter: 7.88 inches Ho	ble Condition: Fair			KB		00 ft(CF) 00 ft
Serial #: 8166 Outside						
Press@RunDepth:84.24 psigStart Date:2011.11.06Start Time:20:33:03	End Date:	2011.11.07 04:45:27	Capacit Last Ca Time Or Time Of	lib.: n Btm	8000. 2011.11. 2011.11.06 @ 22:47; 2011.11.07 @ 02:23;	13
FF: Weak blow FSI: No blow ba						
FSI: No blow ba	ICk		P	RESSU	RE SUMMARY	
FSI: No blow ba	ack	Time (Min.)	Pressure	Temp	RE SUMMARY Annotation	
FSI: No blow ba		110 (Min.) 0	Pressure (psig) 1865.62	Temp (deg F) 106.50	Annotation Initial Hydro-static	
FSI: No blow ba	Time	m (Min.)	Pressure (psig) 1865.62 22.29	Temp (deg F) 106.50 106.53	Annotation Initial Hydro-static Open To Flow (1)	
FSI: No blow ba	ICK	ma (Min.) ™ 0 ™ 2 36 № 91	Pressure (psig) 1865.62 22.29 88.80 1175.30	Temp (deg F) 106.50 106.53 109.15 111.80	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1)	
FSI: No blow ba		••• (Min.) •• 0 •• 2 •• 2 •• 36 •• 91 •• 92	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46	Temp (deg F) 106.50 106.53 109.15 111.80 111.98	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2)	
FSI: No blow ba	Time	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
FSI: No blow ba	Time	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	
FSI: No blow ba	Time	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54 Gas	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	
FSI: No blow ba	Time PRO Temperary PRO TEMPERARY	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Sas Rate (Mct/d)
FSI: No blow ba	Time PRO Temperary PRO TEMPERARY	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54 Gas	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Sas Rate (McI/d)
FSI: No blow ba	Time PRO Temperary PRO TEMPERARY	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54 Gas	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Sas Rate (Mct/d)
FSI: No blow ba	Time PRO Temperary PRO TEMPERARY	(Min.) (Min.) (Min.) (Min.) (0 0 0 0 0 0 0 0 0 0 0 0 0	Pressure (psig) 1865.62 22.29 88.80 1175.30 50.46 84.24 1178.88	Temp (deg F) 106.50 106.53 109.15 111.80 111.98 113.19 114.52 114.54 Gas	Annotation Initial Hydro-static Open To Flow (1) Shut-In(1) End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Sas Rate (Mct/d)

Image: Normalized for the state of		BITE	Mid-Cor	tinent Energ	ly Corp	·	23.95c.134 Cta	TOOL DIAGRA
Michia, KS 922-4220 Michia, KS 922-4220 Job Ticket: 44102 DST#:3 ATTN: Jack Buehler/ Ben La Test Start: 2011.11.06 @ 20:32:58 Tool Information Dill Pipe: Length: 3666.00 ft Diameter: 0.00 inches Volume: 0.142 bol Weight: 2200.00 lb Party W. Pipe: Length: 61.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight: 2200.00 lb Drill Pipe: Length: 61.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight: 2200.00 lb Drill Pipe Above KB: 26.00 ft Total Volume: 51.42 bbl Tool Ochased 3.00 ft Dameter: 3730.00 ft Diameter: 2.25 inches Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Too Packer: 3730.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Too Packer: 3730.00 ft Earneter: 6.75 inches String Weight: hital 400000.00 lb Charge Over Sub 1.00 3702.00 3702.00 3702.00 Battom Of Top Pa	ES ES	TING . INC						
ATTN: Jack Buehler/ Ben La Job Ticket: 44102 DST#: 3 Tool Information ATTN: Jack Buehler/ Ben La Test Start: 2011.11.06 @ 20:32:58 Tool Information Drill Fipe: Length: 3666.00 ft Diameter: 3.80 inches Volume: 0.00 bbl Weight: 2230.00 lb Drill Fipe: Length: 0.00 ft Diameter: 2.25 inches Volume: 0.00 bbl Weight set on Packer: 2500.00 lb Drill Fipe Above KB: 26.00 ft Diameter: 2.25 inches Volume: 0.30 bbl Weight set on Packer: 2500.00 lb Drill Fipe Above KB: 28.00 ft Diameter: 2.25 inches Volume: 51.72 bbl Tool Chased 3.00 ft Depth to For Packer: 370.00 ft Diameter: 51.72 bbl Tool Packer: 360.00 ft Depth to Bottom Packer: 29.00 ft Tool Length 40000.00 lb String Weight: Initial 40000.00 lb Shute how ene Packers: 29.00 ft Tool Length Accum. Lengths String Weight: Initial 40000.00 lb Shuth Tool 5.00 3702.00 <td></td> <td></td> <td>1 10000</td> <td>KS 67202+</td> <td>IE360 -4280</td> <td></td> <td>McClure Farms</td> <td>s #1</td>			1 10000	KS 67202+	IE360 -4280		McClure Farms	s #1
Tool Information Length: 3666.00 ft Dameter: 0.00 inches Volume: 51.42 bbl Tool Weight: 2200.00 b Peavy Wt. Rpe: Length: 0.00 ft Dameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 lb Drill Collar: Length: 61.00 ft Dameter: 2.25 inches Volume: 0.30 bbl Weight to Pall Losse: 45000.00 lb Drill Ppe Above KB: 26.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Top Packer: 3730.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Bottom Packer: ft Interval between Packers: 29.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Number of Packers: 2 Diameter: 6.75 inches String Weight: Initial 40000.00 lb Shut In Tool 5.00 3702.00 3702.00 String Veight: String Veight:<							Job Ticket: 44102	DST#:3
Dill Flpe: Length: 3666.00 ft Diameter: 3.80 inches Volume: 51.42 bbl Tool Weight: 2200.0 b Heavy Wt. Flpe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.0 b Drill Collar: Length: 61.00 ft Diameter: 2.25 inches Volume: 0.30 bbl Weight set on Packer: 25000.0 b Drill Pipe Above KB: 26.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Top Packer: 3730.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Interval between Packers: 29.00 ft String Weight: Initial 40000.00 b Final 40000.00 b Interval between Packers: 2 Diameter: 6.75 inches 3702.00 String Weight: Initial 40000.00 b Shut In Tool 5.00 3702.00 3702.00 String Veight: Initial 40000.00 b			ATTN:	Jack Buehle	er/ Ben La		Test Start: 2011.11	1.06 @ 20:32:58
Heavy Wt. Epe: Length: 0.00 ft Diameter: 0.00 inclusion volume: 0.00 bbl Weight set on Packer: 220300 bb Drill Collar: Length: 61.00 ft Diameter: 2.25 inches Volume: 0.30 bbl Weight set on Packer: 25000.00 bb Drill Collar: Length: 61.00 ft Diameter: 2.25 inches Volume: 0.30 bbl Weight set on Packer: 25000.00 bb Data To Total Volume: 51.72 bbl Tool Chased 3.00 ft String Weight: 1.114 40000.00 bb Depth to Top Packer: 3730.00 ft Final 40000.00 bb Final 40000.00 bb Depth to Bottom Packer: ft Final 40000.00 bb Final 40000.00 bb Interval between Packer: 29.00 ft 58.00 ft String Weight: Final 40000.00 bb Number of Packers: 2 Diarneter: 6.75 inches 3702.00 String Weight:	Tool Information							
Heavy Wt. Hpe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set on Packer: 25000.00 ib Drill Collar: Length: 61.00 ft Diameter: 2.25 inches Volume: 0.30 bbl Weight set on Packer: 25000.00 ib Drill Pipe Above KB: 26.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Top Packer: 373000 ft Frial 40000.00 lb String Weight: Initial 40000.00 lb Depth to Bottom Packer: 29.00 ft Final 40000.00 lb Final 40000.00 lb Number of Packers: 2 Diameter: 6.75 inches Final 40000.00 lb Shut In Tool 5.00 3702.00 3702.00 String Value Final 40000.00 lb Shut In Tool 5.00 3712.00 String Value String Value String Value String Value Safety Joint 3.00 3726.00 29.00 Bottom Of Top Pa Subb 1.00 3731.00 3731.00 String Value String Value		3666.00 ft	Diameter:	3.80 in	iches Volume	: 51.42 bb	Tool Weight	2200 00 lb
Drift Collai? Length 61.00 ft Dameter: 2.25 inches Volume: 0.30 bbl Weight to Pull Loose: 45000.00 lb Drill Pipe Above KB: 26.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Top Packer: 3730.00 ft String Weight to Pull Loose: 40000.00 lb Depth to Top Packer: ft Final 40000.00 lb Depth to Bottom Packer: ft Final 40000.00 lb Interval between Packers: 29.00 ft String Weight to Full Loose: 40000.00 lb Tool Length: 58.00 ft String Weight to Full Loose: 40000.00 lb Number of Packers: 2 Diameter: 6.75 inches Final 40000.00 lb Change Over Sub 1.00 3702.00 3707.00 40draulic tool 5.00 3717.00 Shut In Tool 5.00 3720.00 3720.00 40draulic tool 3.00 3720.00 acker 5.00 3720.00 3730.00 40draulic tool 5.00 3731.00 Backer 5.00 3720.00				0.00 in	iches Volume	: 0.00 bb	÷.,	
Drill Fipe Above KB: 26.00 ft Total Volume: 51.72 bbl Tool Chased 3.00 ft Depth to Top Packer: 3730.00 ft String Weight: Initial 40000.00 lb Depth to Bottom Packer: ft Final 40000.00 lb Depth to Bottom Packer: 29.00 ft String Weight: Initial Tool Length: 58.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: 1.00 3702.00 String Weight: Initial 40000.00 lb Shut In Tool 5.00 1.00 3702.00 String Weight: Initial Shut In Tool 5.00 3702.00 3702.00 String Weight: Initial Shut In Tool 5.00 3717.00 3717.00 String Weight: Initial Safety Joint 3.00 3725.00 29.00 Bottom Of Top Pa Stubb 1.00 3731.00 String Weight: Initial Safety Joint 3.00 3725.00 29.00 Bottom Of Top Pa Stubb 1.00 </td <td>Drill Collar: Length:</td> <td>61.00 ft</td> <td>Diameter:</td> <td>2.25 in</td> <td>iches Volume</td> <td>0.30 bb</td> <td></td> <td></td>	Drill Collar: Length:	61.00 ft	Diameter:	2.25 in	iches Volume	0.30 bb		
Depth to Top Packer: 3730.00 ft String Weight: Initial 40000.00 lb Depth to Bottom Packer: ft Final 40000.00 lb Final 40000.00 lb Depth to Bottom Packer: 29.00 ft 58.00 ft Final 40000.00 lb Final 40000.00 lb Tool Length: 58.00 ft S8.00 ft	Drill Pipe Above KB:	26.00 ft			Total Volume	51.72 bb	-	
Interval between Packers: 29.00 ft Tool Length: 58.00 ft Number of Packers: 2 Diameter: 6.75 inches Tool Comments: Tool Stub 1.00 Stub 3.00 Stub 1.00 Stub 1.00 St							String Weight: Ir	nitial 40000.00 lb
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	Total Too	I Length:	58.00					
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10A	RILOBI	TE	DR	RILL STEM TEST I	REPORT	-		FLUID SU	IMMARY	
変地			Mid-C	Continent Energy Corp		23-255-12	w Stafford,K			
	I ESTIN	VG , INC	105 S	S Broadway STE 360		McClure				
			Wichi	ita, KS 67202+4280		Job Ticket:		DST#:3		
			ATTN	Jack Buehler/ Ben La		Test Start: 2011.11.06 @ 20:32:58				
Mudando					·····	rest Start: 2011.11.06 @ 20:32:58				
	ushion Infor	mation								
Mud Type: (Mud Weight:	Gel Chem 9.00 lb/g	101		Cushion Type:		,	Oil API:	1	deg API	
Viscosity:	46.00 sec	-		Oushion Length: Oushion Volume:		ft	Water Salinity:		ppm	
Water Loss:	9.58 in³	•		Gas Cushion Type:		bbl .				
Resistivity:	0.00 ohr			Gas Cushion Pressure	:	psig				
Salinity: Filter Cake:	6000.00 ppr									
	0.02 inci	nes								
Recovery II	nformation			December Tell						
	Г	Lengt		Recovery Table			т			
		ft		Description		Volume bbl				
		··	30.00 60.00	W,M 20% water 80% mud	1.0001	0.148	1			
	 Total	Length:		Slight oil cut MW 1% oil 19%		0.559				
				0.00 ft Total Volume:	0.707 bbl					
		Fluid Sampli atory Nam		Num Gas Bombs:	0	Serial #				
		very Comm		Laboratory Location	1.					
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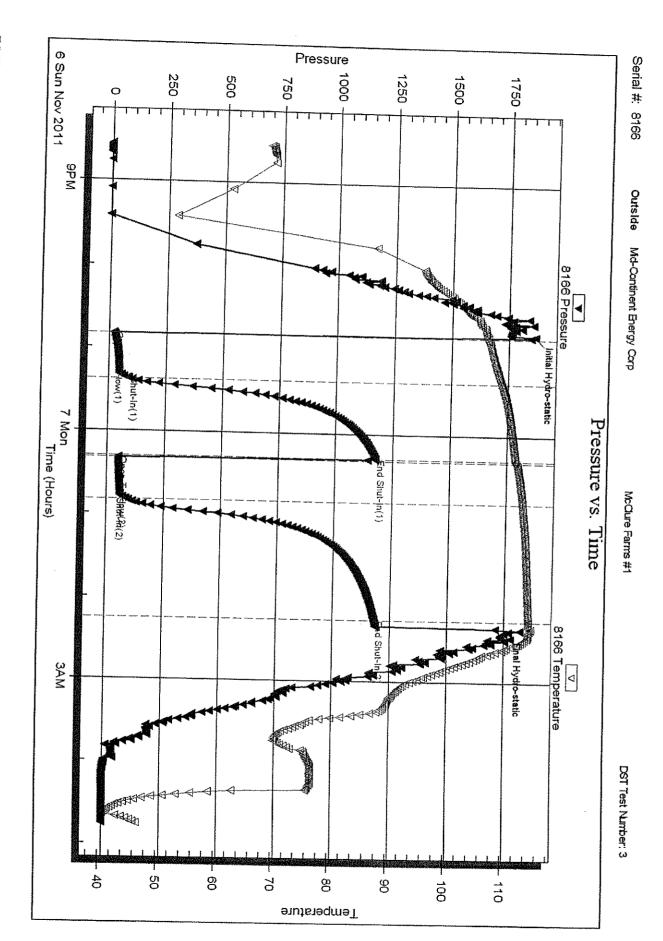
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Ref. No: 44102

Trilobite Testing, hc





energy services, L.P.

TREATMENT REPORT

Lease An a	~~~~~	<u>Um Env</u>		NACHINE		L.)ate			
	CLURE P	MAMS	Well #	Ĵ		11-9-2011				
Field Order #		1200	<u>r, ks. –</u>	Casing	Depth		ounty STAP	For23 State KS		
Type Job	". N(b) = 1	2, 7, 7			Formation	1	Le	gal Description		
PIPI	E DATA	PERF	ORATING DA	TA FLUID	USED		TREATME	ENT RESUME		
Casing Size	Tubing Size	e Shots/F	^а <i>Си</i> л7	- Acida SK	60/40782	RA	TE PRESS	ISIP		
Depth	Depth	From	То	Pre Pad	43 curt	Max		5 Min.		
/olume	Volume	From	То	Pad		Min	······	10 Min.		
Aax Press	Max Press	From	То	Frac		Avg	**** *****	15 Min.		
	on Annulus Vo	From	То			HHP Used		Annulus Pressure		
Plug Depth	Packer Dep	th From	То	Flush		Gas Volume		Total Load		
Customer Rep	presentative	(10K-1.1	INN ISCHAL	ation Manager	52077		Treater K.C.	ES EL		
Service Units	37586	19539	19842 19	1832 210 h						
Driver Names		e Marstefant E		1/14514 (
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate			Service Lo	Dg		
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100mm					1347	ung d		1 W/50514		
	400		1 things	<u>(</u> e	1190	AHGA				
			13.7	L5	Mix 5	<u>5058 la</u>	5/40P02	6213.78PPG		
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	150		12.7	4	ANCX S	26 5K (<u>a /46P07</u>	<u> 6. 15. 75. 976</u>		
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						/	HANKS	/		
								(/=~ (620) 672-53		

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383



TREATMENT REPORT

Customer						Lease No.						Date					
Lease	Ali	J-s.j	talan s			Well #		м арантура тики с с _{ентерн} алисски					the second second	the second second			
Field Order #	Station	Q _e ,	e)-44	4:5				Casing		Depth		- I Count	N	te m sje Versetes		State	
Type Job			çar s) 5 <	~.		€	Form	ation	, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	1		Legal De	scription	- 1 7	
PIPE	DATA					G DATA		FLUID U	ISED				TREAT		RESUME	and a second metal second s	
Casing Size	Tubing Siz	e	Shots/F	t			Acid				RATE PRESS				ISIP		
Depth	Depth		From		To		Pre	Pad			Max				5 Min.	777722222004444444	
Volume	Volume		From	·· ···	То		Pad				Min				10 Min.		
Max Press	Max Press	;	From		То		Frac	;			Avg				15 Min.		
Well Connectior					То						HHP Use	ed			Annulus F	ressure	
Plug Depth	Packer De	pth	From		То		Flus	h			Gas Volu	ime			Total Load]	
Customer Repr	esentative					Stati	on Mana	iger DAu	NE S	C w X	r f	Trea	ater 🥖	la reverte a	bas de com		
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Driver Names	alleserd		ej s deb	<u>,</u>		1.1.1		i Getag									
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Taylor Printing, Inc. 620-672-3656