

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1051438

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:	Sec TwpS. R East West
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from Feet / West Line of Section
Contact Person:	
Phone: ()	
CONTRACTOR: License #	County:
Name:	
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 SION Gas D&A ENHR SIGN	Amount of Surface Pipe Set and Cemented at: Feet
Operator:	
Well Name:	Drilling Fluid Management Plan
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Con Conv. to GSW	Chloride content: ppm Fluid volume: bbls
Plug Back: Plug Back Total Dep	th Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Two S R East West
ENHR Permit #:	Denreit #
GSW Permit #:	
Spud Date or Date Reached TD Completion Date Recompletion Date Recompletion D Recompletion D	

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	1051438
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 and		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	ie		Тор	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:							
			G RECORD	ew Used	ion oto		
	Size Hole	Size Casing	Weight	Setting		# Sacks	Type and Percent
Purpose of String	Drilled	Size Casing Set (In O.D.)	Lbs. / Ft.	Depth	Type of Cement	# Sacks Used	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 Fo		RD - Bridge P Each Interval I		e	ļ		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۶.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit /		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Maralex Resources, Inc.
Well Name	Heskett 6-1
Doc ID	1051438

Tops

Name	Тор	Datum
Anhydrite	2172	+397
Baes Anhy.	2206	+363
Topeka	3460	-891
Heebner	3666	-1097
Toronto	3690	-1121
Lansing	3704	-1135
Muncie Creek	3806	-1237
ВКС	3906	-1337
Arbuckle	3953	-1384

Mar. 22. 2011A12:06PMIEAllied Cementing Co LLCTING CO., LNo. 5132 P. 3 Federal Tax I.D.# 20-5975804

REMIT TO P.O. B				SERV	VICE POINT:	
RUSS	ELL, KANSAS 6760	55		3	Oati-	
				1-14-11		5-11
1-14-11	SEC. TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
DATE Heskett	6 1	- d-)		I II. and DM	COUNTY	STATE
LEASE	WELL# (-6	LOCATION 540	aley R.N	<u>12</u> E	Graham	K4
OLD OR NEW CI	rcle one)	2 9		· · · · ·		
		<u> </u>		<u> </u>		
CONTRACTOR	American	EARLO #	S OWNER			
TYPE OF JOB	PTA-					
HOLE SIZE	TD SICE	<u></u>	CEMENT	e in the second	. · ·	*
CASING SIZE	DE	PTH	AMOUNT OF		the second se	60/40
TUBING SIZE		PT <u>H</u>	<u>4.9700000</u>	1 144510	ent.	
DRILL PIPE	Li DE	PTH 2185'	·			
TOOL	DE	PTH	<u>-</u>	· · · ·	45	35
PRES MAX	Mi	NIMUM	COMMON	123	_@ <u>\S</u>	1900
MEAS, LINE	SH	<u>OE JOINT</u>	POZMIX	<u> </u>	_@_ <u>₹.00</u>	65600
CEMENT LEFT IN	NCSG.		GEL	<u> </u>	@ 202	-145 60
PERFS.	•	· · · · · ·	CHLORIDE _	<u> </u>	@	
DISPLACEMENT			ASC		_@	۰ ــــــــــــــــــــــــــــــــــــ
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	CEMENTER		· · · · · · ·		@	
	HELPER DA	107= N2			@	· <u> </u>
BULK TRUCK	505500					·
	DRIVER	erty			@	·
BULK TRUCK	DRIVER				_@ <u></u>	
<u>#</u>	DRIVER		HANDLING		_@	513 60
·			MILEAGE	10x384		1469 65
	REMARKS:				TOTAL	. 4712 -
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			EXTRA FOO		@	- <u> </u>
John	an 150 6	11-30 AM	MILEAGE	1-1-24-		448
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STREET	· · · · · · · · _ ·		· · · · · · · ·			· ·
CITY	STATE	ZIP	<u> </u>	PLUG & FLO	AT EQUIPME	NT
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To Allied Ceme	nting Co., LLC.		· · · · · · · · · · · · · · · · · · ·		@	<u></u>
You are hereby	requested to rent co	ementing equipment	ıt 🤃 🕂		@	
and furnish cerr	nenter and helper(s)	to assist owner or			~ ~	
contractor to de	work as is listed.	The above work w	28			40.7
done to esticfac	tion and supervisio	n of owner agent o	Г	مورد بر من مرد می ماند مرد از مورد با با مقدم مورد ماند مرد از	IUIA	<u>بر بر بر بر</u> با
contractor The	we read and unders	tand the "GENER	AL ·	o service de la companya de la comp En la companya de la c	Sec. Sec.	
CONTRACTOR VIEW	CONDITIONS" list	ed on the reverse s	ide. SALES TAX	((If Any)		
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		;				



DRILL STEM TEST REPORT

Prepared For:

Maralex Resoures

P.O. Box 338 Inganaio CO 81137

ATTN: Clayton Erickson

6725w Gramh KS

Heskett #6-1

 Start Date:
 2011.01.11 @ 17:25:00

 End Date:
 2011.01.12 @ 03:05:00

 Job Ticket #:
 040034
 DST #: 1

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 DST # 1

a	RILOBITE	DRILL STEM	TESTRE	POPT			
一時		Manal					· .
	ESTING , INC	P.O. Box 338			Heskett	#6-1	
/個		Inganaio CO 81137				Gramh KS	
, MO		ATTN: Clayton Erickson			Job Ticket		DST#:1
GENE	RAL INFORMATION:				Test Start:	2011.01.11 @	17:25:00
Formatic Deviated Time Too	LKC-C d: No Whipstock: ol Opened: 20:05:30 20:05:00 st Ended: 03:05:00 3702.00 ft (KB) To 373 oth: 3735.00 ft (KB) (TV) neter: 7.88 inchesHole	D)			Test Type: Tester: Unit No: Reference I KE	Chuck Kreutz 36	Bottom Hole er Jr. 2566.00 ft (KB) 2562.00 ft (CF) 4.00 ft
Press@R	unDepth: 345.86 psig @	0700			,		91.2 z 1
Start Date	2011.01.11	3703.00 ft (KB) End Date:		Capac	ity:		
Start Time	17:25:01	End Time:	2011.01.12	Last C	alib.:	20	8000.00 psig 11.01.12
		Lid file.	03:05:00			2011.01.11@	19:46:00
TEST CC				Time O	ff Btm:	2011.01.12 @	00:06:30
	DMMENT: IF: Fair blow built to ISI: Bled off blow bo	B.O.B in 10 mins.					
	FF: Weak blow, Buil	ick after 5 mins. Weak surface t to 3 in. over 15 mins. Started	e, died in 20 mir	ns.			
	FSI	the end offer 10 mins. Started	d to die, 2 1/2 in	i. after 50 n	nins.		
	Browners	······································					
F	Pressure vs. Time		1	· . P	RESSUR	E SUMMAR	
1750		8741 Temperature	Time	Pressure	Temp	Annotation	Y
	J.VINT		(Min.)	(psig)	(deg F)	1 milliation	
****		- 110	0	1827.21	96.80	Initial Hydro-sta	atic
1250	PIIII	- 100	20 47	23.38	97.79	Open To Flow (1)
1000			100	144.92 1198.40	118.07	Shut-In(1)	
E	 			148.00	112.92	End Shut-In(1) Open To Flow (. .
70	┼┼──┼┼┼┼╶┤───			345.86	119.74	Shut-In(2)	2)
∞ <u>F</u> , [/			259	1198.72	114.43	End Shut-In(2)	
			261	1740.44	112.55	Final Hydro-stat	ic
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.eng th (ft)	OPM TITRE(Maus)	Ц			Gas		
.ength (ft) 76.00	Recovery Description mcw -10%m90%w				Gas I Choke (inche		Gas Rate (Mcf/d)
Length (ft)	Recovery Description	Volume (bbl)					Gas Rate (Mcf/d)
.ength (ft) 76.00	Recovery Description mcw -10%m90%w	Volume (bbl) 9.48					Gas Rate (Mcf/d)
.ength (ft) 76.00	Recovery Description mcw -10%m90%w	Volume (bbl) 9.48					Gas Rate (Mcf/d)
.ength (ft) 76.00	Recovery Description mcw -10%m90%w	Volume (bbl) 9.48					Gas Rate (Mcf/d)
e Jan 2011 e Jan 2011 ceng th (ft) 76.00 24.00	Recovery Description mcw -10%m90%w	Volume (bbl) 9.48					Gas Rate (Mcf/d)
Length (ft)	Recovery Description mcw -10%m90%w w cm-15%w 85%m	Volume (bbl) 9.48					Gas Rate (Mcf/d)

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10A	RILO	RITE	DRI	LL STE	EM TES	Γ REPC	RT			TOOL D	IAGRA
変			Marale	Resoures			Н	leskett #6-1			
	J ESI	FING , INC	1.0.00				6	7 25w Gran	nh KS		
			Inganai	o CO 81137			Jo	ob Ticket: 0400	34	DST#:1	
			ATTN:	Clayton Eric	kson		Te	est Start: 2011	.01.11 @	2 17:25:00	
Tool Informatio	on						-	······			
Drill Pipe:	Length:	3681.00 ft	Diameter:	3.80 in	iches Volume	51.63 bb	ol	Tool Weight:		2400.00 lb	
Heavy Wt. Pipe:	Length:		Diameter:		iches Volume	0.00 bb	ol	Weight set on	Packer		
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 in	ches Volume	0.00 bb	ol	Weight to Pull	Loose:	46000.00 lb	
Drill Pipe Above H	(B·	7.00 ft			Total Volume	51.63 bb	bl	Tool Chased		2.00 ft	
Depth to Top Pac		3702.00 ft						String Weight	Initial	44000.00 lb	
Depth to Bottom F		ft							Final	46000.00 lb	
Interval between		33.00 ft									
Tool Length:		61.00 ft									
Number of Packer	rs:	2	Diameter:	6.75 in	ches						
Tool Comments:											
Tool Descriptio	n	Len		Serial No.	Position	Depth (ft)	Accun	n. Lengths			
Shut In Tool			5.00			3679.00					
lydraulic tool			5.00			3684.00					
lars			5.00			3689.00		4			
Safety Joint			3.00			3692.00					
Packer	···-		5.00			3697.00		28.00		Bottom Of To	p Packer
acker			5.00			3702.00					
Stubb			1.00			3703.00					
Recorder			0.00	6752	Inside	3703.00					
Recorder			0.00	6741	Inside	3703.00					
Perforations		:	29.00			3732.00					
ullnose			3.00			3735.00		33.00	Bo	tom Packers &	Anchor
Тс	otal Tool	Length:	61.00								
						*					
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									1.0		
						-		4			

	I RIL	OBITE		RILL	STEM TI	EST REP	ORT					
	Tr	STING , IN	Ma	ralex Reso	oures			ett #6-	1	FLUID	SUMM	ARY
		υτητά, ₁₁ γ	1). Box 338 anaio CO 8	21407				mh KS			
			1					ket: 04(DST#:		
Mud and Cu	Ishion	Inf		N: Clayto	on Erickson				1.01.11@1		I	
Mud Type: G	el Chem	information										_
Mud Weight:	9.0	00 lb/gal			Cushion Type:			Oil	API:			
Viscosity: Water Loss:	58.0	00 sec/qt			Cushion Lengt Cushion Volum	h:	ft		iter Salinity:	3000	deg Al 0 ppm	거
Resistivity:	7.1	18 in ³			Gas Cushion T	ie: Vne:	bbl		·	0000	lo ppm	
Salinity:		ohm.m 0 ppm			Gas Cushion P	ressure:	noia					·
Filter Cake:		0 inches					psig					
Recovery Inf			<u></u>									
				- 1	Recovery Tab			,				\neg
		Length	1 - 2	T	Description			— — 1				
		ft	70.00				Volume bbl					
			76.00 24.00		%m90%w			183				
	Тс	tal Length:			%w 85%m			739				
		m Fluid Sample		00 ft	Total Volume:		ы					
	140	in riulu Sample	s:0		Num Gas Bon	that is a						
	La	boratory Name			Contraction Doll	nbs: 0	Seria	#:				
	La	boratory Name:		/.4 @ 40F	I alage 1		Seria	#:				
	La Re	boratory Name: covery Comme		/.4 @ 40F	I alage 1		Seria	#:				
	La	boratory Name:		/ .4 @ 40F	I alage 1		Seria	#:				n de la companya de l
	La Re	boratory Name:		/ .4 @ 40F	I alage 1		Seria	#:				no de la constanción
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Trilobite Testing, Inc

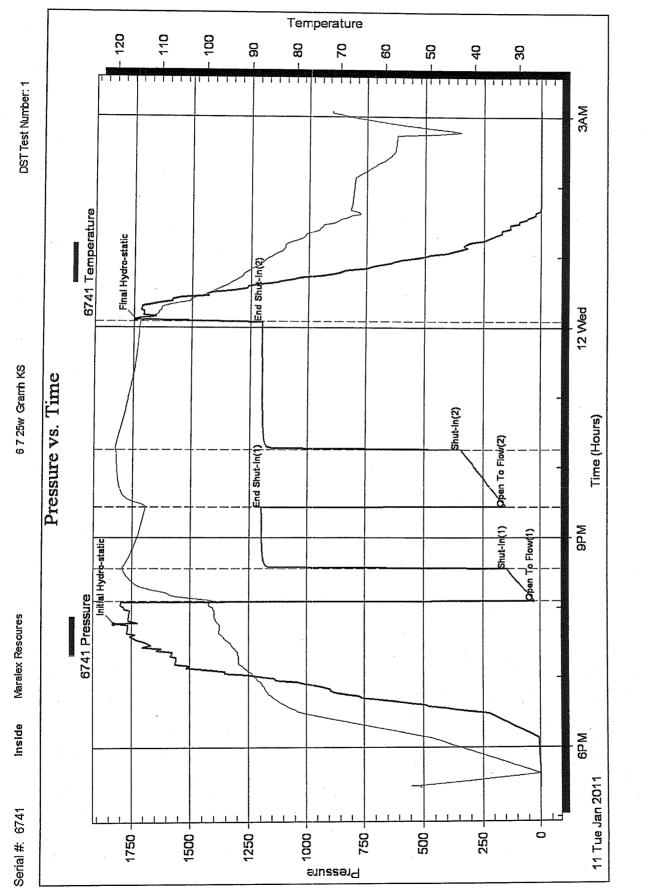
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Ref. No: 040034

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For:

Maralex Resoures

P.O. Box 338 Inganaio CO 81137

ATTN: Clayton Erickson

6725w Gramh KS

Heskett #6-1

Start Date:	2011.01.12 (@ 17:45:00	
End Date:	2011.01.13 (@ 00:40:00	
Job Ticket #:	040035	DST #:	2

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

RILOBITE	DRILL STEM T	EST RE	PORT			
	Aralex Resoures			Heskett	4C 4	
ESTING, INC	O. Box 338 ganaio CO 81137				Gramh KS	
	TTN: Clayton Erickson				:: 040035 : 2011.01.12 @	DST#:2
GENERAL INFORMATION:					. 2011.01.12@	17:45:00
Formation: LKC-E-G Deviated: No Whipstock: Time Tool Opened: 20:09:30 Time Test Ended: 00:40:00 Interval: 3750.00 ft (KB) To 3783.00 Total Denth: 2782.00 ft (KB) To 3783.00	ft (KB)		T	est Type: ester: nit No:	Conventional Chuck Kreutz 36	Bottom Hole er Jr.
3/63.00 ff /kg) /T//D)	π (KB) (TVD)		R	eference	Elevations:	2566.00 ft (KB)
Hole Diameter: 7.88 inches Hole Conc	lition: Good					2562.00 ft (CF)
Serial #: 6741 Inside				K	B to GR/CF:	4.00 ft
tart Date: 2011.01.12 tart Time: 17:45:01	3751.00 ft (KB) End Date: End Time:	2011.01.13 00:40:00		lib.: I Btm:	20 2011.01.12 @ 2011.01.12 @	8000.00 psig 11.01.13 19:47:00
EST COMMENT: IF: Fair blow , built to B.C ISI: No blow back over 3 FF: Weak surface blow , FF: No blow back over 6 Pressure vs. Time	didn't blow thru 20 mins					
8741 Pressure untrait-peas-yfrac	6741 Temperature		PI		RE SUMMAR	Y
	120 100 100 100 100 100 100 100 100 100		Pressure (psig) 1863.06 19.36 75.73 1221.26 78.74 146.75 1222.72 1826.08	98.24 107.41 108.35 108.15 115.91 113.17	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	2)
Recovery					Rates	·
th (ft) Description	Volume (bbi)		T	Choke (inc		
	0.87	L) Gas Rate (Mcf/d)
207011007010						
00 w cm-50%w 50%m	1.74					

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10. A.C.B.

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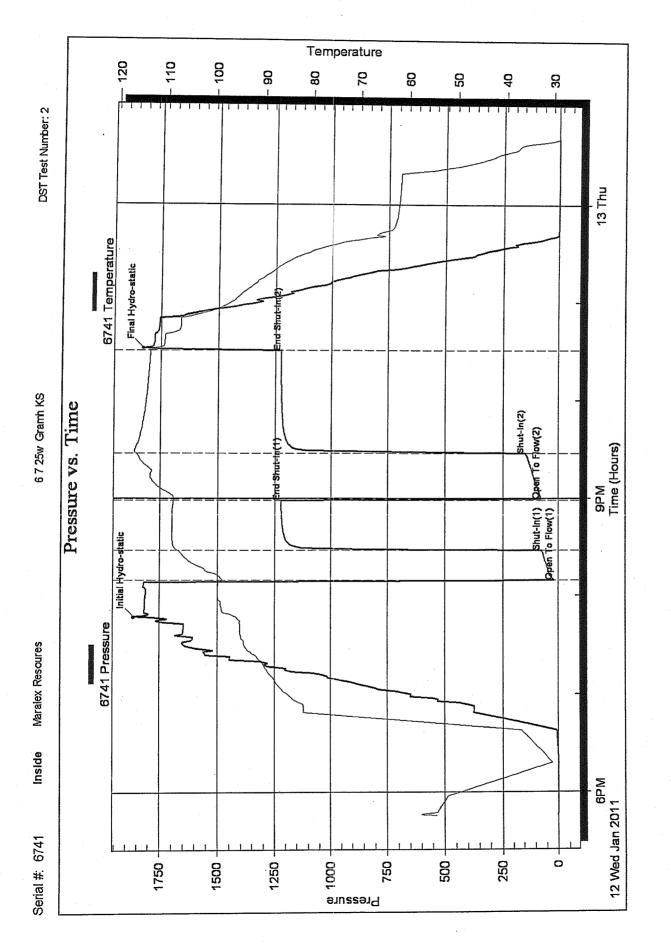
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(I) TRILOL	RITF		LL STI	EM TEST	Г REPC	RT	TOOL DIAGRA
		Maralex	Resoures			Heskett #6-1	
	TING , INC	P.O. Bo	x 338			6 7 25w Gram	nh KS
		Inganak	o CO 81137	,		Job Ticket: 0400	
			Clayton Eri	icke on			
						Test Start: 2011.	01.12 @ 17:45:00
Tool Information							
	3712.00 ft		3.80 i	inches Volume:	52.07 bb	ol Tool Weight:	2400.00 lb
Heavy Wt. Pipe: Length:		Diameter:		nches Volume:		-	Packer: 28000.00 lb
Drill Collar: Length:	30.00 ft	Diameter:	0.00 i	nches Volume:	0.00 bb		Loose: 60000.00 lb
Drill Pipe Above KB:	20.00 ft			Total Volume:	52.07 bb		2.00 ft
Depth to Top Packer:	3750.00 ft					String Weight:	Initial 51000.00 lb
Depth to Bottom Packer:	ft						Final 54000.00 lb
Interval between Packers:	33.00 ft						
Tool Length:	61.00 ft						
Number of Packers:	2	Diameter:	6.75 ir	nches			
Tool Comments:							
Shut In Tool Hydraulic tool		5.00 5.00			3727.00		
Jars		5.00 5.00			3732.00		
Safety Joint		3.00			3737.00 3740.00		
Packer		5.00			3745.00	28.00	Bottom Of Top Packer
Packer		5.00			3750.00		Bollom of Top Packer
Stubb		1.00			3751.00		
Recorder		0.00	6752	Inside	3751.00		
Recorder		0.00	6741	Inside	3751.00		
Perforations		29.00			3780.00		
Bullnose		3.00			3783.00	33.00	Bottom Packers & Anchor
Total Tool I	ength:	61.00					
	-						
				ана. 1914 — Аларанан Алар			
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2.							

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RILOB		RILL STEM TES	T REPO	RT		
	ING INC	aralex Resoures	Heskett	#6-1	FLUID SUMMAR	
	1 1.0	D. Box 338 anaio CO 81137	6 7 25w Job Ticket:	Gramh KS		
Mud and Cushion Info	1	IN: Clayton Erickson			2011.01.12 @ 1	DST#:2 7:45:00
Mud Type: Gel Chem	intauon	0.11				
Mud Weight: 9.00 lb/ Viscosity: 54.00 se Water Loss: 7.38 in³ Resistivity: oh Salinity: 900.00 pp Filter Cake: 2.00 inc	ec/qt m.m m	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressi	ıre:	ft bbl psig	Oil APt Water Salinity:	deg API ppm
Recovery Information						
[-	Length	Recovery Table				
	ft	Description		Volume bbl		
	<u>92.00</u> 124.00	mcw-20%m80%w w cm-50%w 50%m		0.870		
	30.00	w cm-10%w 90%m		1.739 0.421		
Total L		5.00 ft Total Volume:	3.030 bbl			
Labora	uid Samples: 0 itory Name: ery Comments:	Num Gas Bombs: Laboratory Locatio	0 in:	Serial #:		
				•		-

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Printed: 2011.01.20 @ 10:42:54 Page 5

Ref. No: 040035

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For:

Maralex Resoures

P.O. Box 338 Inganaio CO 81137

ATTN: Clayton Erickson

6725w Gramh KS

Heskett #6-1

 Start Date:
 2011.01.13 @ 17:35:00

 End Date:
 2011.01.13 @ 23:07:00

 Job Ticket #:
 040036
 DST #: 3

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 LKC-J

RILOBITE	DRILL STEM T	EST RE	PORT				
TESTING, M	Maralex Resoures			Heskett	#6-1		······.
	P.O. Box 338 Inganaio CO 81137		6	6 7 25w	Gramh KS		
	ATTN: Clayton Erickson			lob Ticket:		DST#: 3	
GENERAL INFORMATION:			Т	est Start:	2011.01.13@	17:35:00	
Formation: LKC-J Deviated: No Whipstock: Time Tool Opened: 19:22:30 Time Test Ended: 23:07:00 Interval: 3826.00 ft (KB) To 3	ft (KB) 857.00 ft (KB) (TVD)		Te Ut	est Type: ester: nit No:	Conventional Chuck Kreutz 36 Bevations:	er Jr.	
	VD) e Condition: Good				to GR/CF:	2566.00 ft (KB 2562.00 ft (CF 4.00 ft	
Serial #: 6741 Inside Press@RunDepth: 27.47 psig Start Date: 2011.01.13 Start Time: 17:35:01	End Date: End Time:	2011.01.13 23:07:00		y: lib.: ı Btm:		8000.00 psig 11.01.13 19:10:30	
TEST COMMENT: IF: Weak surface ISI: No blow back FF: No blow over FSI: No blow bac FSI: No blow bac	15 mins. 15 mins. k over 30 mins.	S.					
Pressure vs. Tit	5741 Temperanne		PI	RESSUF	RE SUMMAR	Y	
1750 1900	10 10 10 10 10 10 10 10 10 10	Time (Min.) 0 12 28 58 58 58 73 105 106	Pressure (psig) 1899.90 16.48 21.16 1247.67 22.33 27.47 1247.17 1837.28	Temp (deg F) 99.03 103.10 103.82 105.05 104.39 105.74 107.01	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	atic (1) (2)	
Recovery							
ength (ft) Description	Volume (bbl)			Gas Choke (inc	Rates hes) Pressure (psi	g) Gas Rate (Mcf/c	
5.00 mud w ith oil specs	0.00		-				<u></u>

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ON TRI	OBITE	DRI	LL STE	M TES	T REPOR	T	TOOL DIAGRAI
		Maralex	Resoures	• • • • • • • • • • • • • • • • • • •		Heskett #6-1	
	STING , INC	1 1.0.00	x 338 o CO 81137			6 7 25w Gramh Job Ticket: 040036	
		ATTN:	Clayton Erick	son		Test Start: 2011.01	1.13 @ 17:35:00
Tool Information	· · · · · · · · · · · · · · · · · · ·	- -		······			
Drill Pipe: Lengt Heavy Wt. Pipe: Lengt	h: 0.00 ft	Diameter:	0.00 inc	ches Volume ches Volume	: 0.00 bbl	Tool Weight: Weight set on Pa	2400.00 lb acker: 28000.00 lb
Drill Collar: Lengt		Diameter:	-	hes Volume		Weight to Pull Lo Tool Chased	ose: 56000.00 lb 2.00 ft
Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer: Interval betw een Packer				iotal volume.	. 55.00 bbi	String Weight: In	
Tool Length: Number of Packers:	61.00 ft	Diameter:	6.75 inc	has			
Tool Comments:	2	Biancier.	0.75 110	1163			
Tool Description	Ler	ngth (ft)	Serial No.	Position	Depth (ft) Ac	cum. Lengths	
Shut In Tool	Ler	5.00	Serial No.	Position	Depth (ft) Ac 3803.00	cum. Lengths	
Shut in Tool Hydraulic tool	Ler		Serial No.	Position		cum. Lengths	
Shut In Tool Hydraulic tool Iars	Ler	5.00 5.00 5.00	Serial No.	Position	3803.00	cum. Lengths	
Shut In Tool tydraulic tool lars	Ler	5.00 5.00	Serial No.	Position	3803.00 3808.00	cum. Lengths	
Shut In Tool Hydraulic tool Iars Safety Joint	Ler	5.00 5.00 5.00	Serial No.	Position	3803.00 3808.00 3813.00	cum.Lengths 28.00	Bottom Of Top Packer
Shut In Tool Hydraulic tool Iars Safety Joint Packer	Ler	5.00 5.00 5.00 3.00	Serial No.	Position	3803.00 3808.00 3813.00 3816.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer	Ler	5.00 5.00 5.00 3.00 5.00	Serial No.	Position	3803.00 3808.00 3813.00 3816.00 3821.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb	Ler	5.00 5.00 5.00 3.00 5.00 5.00	Serial No. 6752	Position	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder	Ler	5.00 5.00 5.00 3.00 5.00 5.00 1.00			3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Recorder Recorder	· · · ·	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00	6752	Inside	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00 3827.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Iars Safety Joint Packer Packer Stubb Recorder Recorder Perforations	· · · ·	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00	6752	Inside	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00 3827.00 3827.00		Bottom Of Top Packer Bottom Packers & Anchor
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	· · · ·	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 29.00	6752	Inside	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00 3827.00 3827.00 3827.00 3827.00	28.00	Bottom Of Top Packer Bottom Packers & Anchor
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Recorder Recorder Perforations Bullnose	· · · · · · · · · · · · · · · · · · ·	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 29.00 3.00	6752	Inside	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00 3827.00 3827.00 3827.00 3827.00	28.00	
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Recorder Recorder Perforations Bullnose Total To	· · · · · · · · · · · · · · · · · · ·	5.00 5.00 5.00 3.00 5.00 5.00 1.00 0.00 0.00 29.00 3.00	6752	Inside	3803.00 3808.00 3813.00 3816.00 3821.00 3826.00 3827.00 3827.00 3827.00 3827.00 3827.00	28.00	

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Printed: 2011.01.20 @ 10:43:20 Page 3

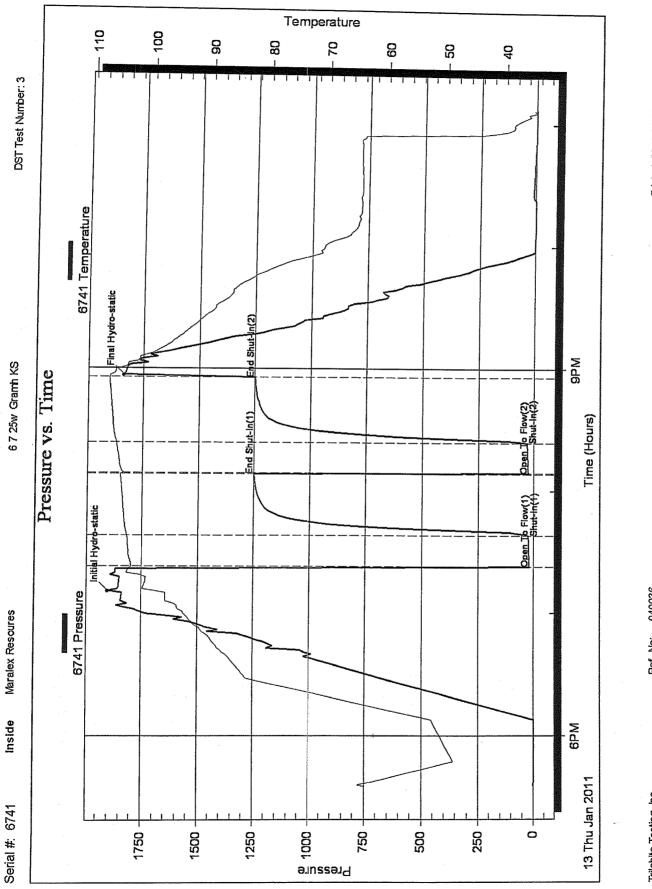
(Q)	RILOBITE	DRILL	STEM TEST RE	POR	T		FLUID S	
No and the second secon	Receiving the second second	Maralex Res	oures		Heskett #	/6-1		
ESTING , INC		Inganaio CO 81137		6 7 25w Gramh KS Job Ticket: 040036 1 Test Start: 2011.01.13 @ 17:3		DST#:3		
Mud and Cu	shion Information							
	el Chem 9.00 lb/gal 54.00 sec/qt 7.39 in ³ ohm.m 900.00 ppm 2.00 inches	•	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:		ft bbl psig	Oil API: Water Salinity:		deg API ppm
Recovery Inf	ormation		N		· · · · · · · · · · · · · · · · · · ·	<u>-</u>		
			Recovery Table					
	Lengt ft		Description		Volume bbl			
		15.00 mud v	with oil specs		0.000	<u>1</u>		
	Total Length:	15.00 ft	Total Volume:	bbl				
	Num Fluid Sampl Laboratory Nam		Num Gas Bombs: 0 Laboratory Location:	÷	Serial #	:		

Laboratory Name: Recovery Comments:

Trilobite Testing, Inc

Printed: 2011.01.20 @ 10:43:20 Page 4

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Printed: 2011.01.20 @ 10:43:21 Page 5

Ref. No: 040036

Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For:

Maralex Resoures

P.O. Box 338 Inganaio CO 81137

ATTN: Clayton Erickson

67 25w Gramh KS

Heskett #6-1

 Start Date:
 2011.01.14 @ 06:15:00

 End Date:
 2011.01.14 @ 11:36:00

 Job Ticket #:
 040037
 DST #: 4

Trilobite Testing, Inc PO Box 1733 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620 2011.01.14

Printed: 2011.01.20 @ 10:43:55 Page 1

DST # 4

RILOBITE	DRILL STEM TE	ST REI	PORT		, ·		
TESTING, INC	Maralex Resoures		ŀ	leskett #	¥6-1	<u> </u>	
	P.O. Box 338 Inganaio CO 81137		6	5 7 25w (Gramh KS		
	ATTN: Clayton Erickson		•	ob Ticket:	040037 2011.01.14 @ 0	DST#:	4
GENERAL INFORMATION:							
Formation: LKC-K Deviated: No Whipstock: Time Tool Opened: 07:57:00	ft (KB)			est Type:			e
Time Test Ended: 11:36:00		•		ester: nit No:	Chuck Kreutze 36	r Jr.	
Interval: 3855.00 ft (KB) To 3880 Total Depth: 3880.00 ft (KB) (TVD) Hole Diameter: 7 88 inches Hole C)		Re	eference E		2566.00 2562,00	
	ondition: Good			KB	to GR/CF:	4.00	
Serial #: 6741 Inside Press@RunDepth: 26.66 psig @ Start Date: 2011.01.14 Start Time: 06:15:01	3856.00 ft (KB) End Date: End Time:	2011.01.14 11:36:00	Capacit Last Ca Time On Time Of	lib.: 1 Btm:			psig
FSI: No blow back ov	er 30 mins. ter 10 mins. never built over 1	5 mins.			×		
Pressure vs. Time			P	RESSU	RE SUMMAR	(
	6741 Temperature	Time (Min.) 0	Pressure (psig) 1969.38	Temp (deg F) 95.06 96.95	Annotation Initial Hydro-sta	itic	
	1140 - 00 - 70 moreiture - 70 - 70 - 70 - 70 - 70 - 70 - 70 - 70	12 28 57 58 73 103 105	16.19 21.11 1231.34 22.53 26.66 1220.80 1845.37	97.75 99.66 98.98	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2)		
Contraction of the second of t	- 70 true - 70 t	28 57 58 73 103	21.11 1231.34 22.53 26.66 1220.80	97.75 99.66 98.98 100.16 102.11 103.17	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2)		
and the second s	тине типе типе топоредни	28 57 58 73 103	21.11 1231.34 22.53 26.66 1220.80	97.75 99.66 98.98 100.16 102.11 103.17	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	iic	ate (Mct/d)
and the second s	- 70 true - 70 t	28 57 58 73 103	21.11 1231.34 22.53 26.66 1220.80	97.75 99.66 98.98 100.16 102.11 103.17 Gas	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	iic	ate (Mcf/d)
and TAM BAN TIME (Hears)	тине типе типе топоредни	28 57 58 73 103	21.11 1231.34 22.53 26.66 1220.80	97.75 99.66 98.98 100.16 102.11 103.17 Gas	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	iic	ate (Mct/d)
ength (ft)	тине типе типе топоредни	28 57 58 73 103	21.11 1231.34 22.53 26.66 1220.80	97.75 99.66 98.98 100.16 102.11 103.17 Gas	Shut-In(1) End Shut-In(1) Open To Flow (Shut-In(2) End Shut-In(2) Final Hydro-sta	iic	ate (Mcf/d)

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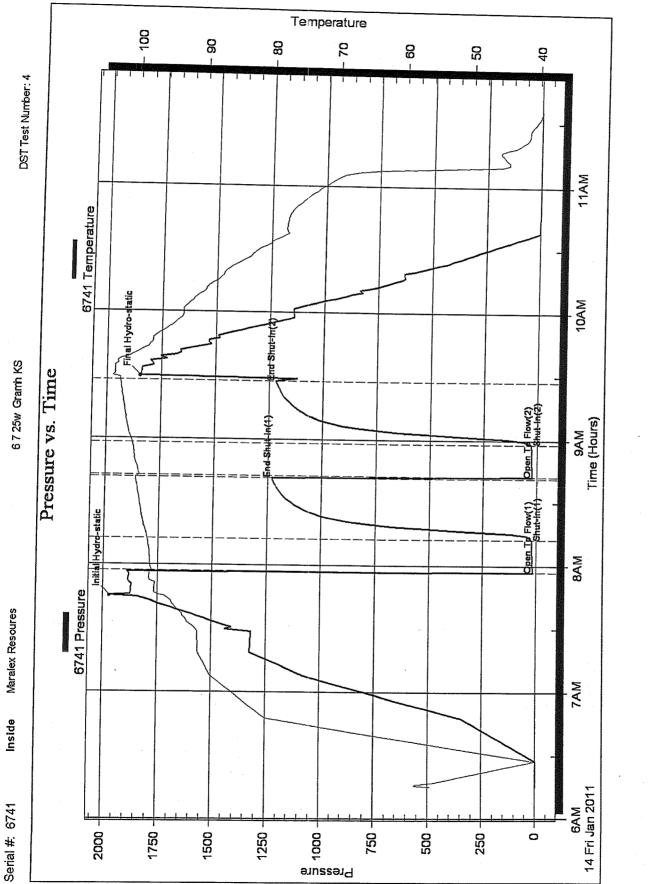
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10h7	RILO	RITF	DRI	LL STI	EM TES	F REPC	DRT	•		TOOL DIAGRAI
	and the second second		Maralex	Resoures				Heskett #6-1		
	[TING , INC	F.O. DU	x 338 o CO 81137				6 7 25w Grai Job Ticket: 0400		DST#:4
			ATTN:	Clayton Eri	ckson			Test Start: 2011		
Tool Information										2 00.15.00
	[]									
	Length:	3837.00 ft			nches Volume:		bl	Tool Weight:		2400.00 lb
	Length:		Diameter:		nches Volume:		bi	Weight set or	n Packer	: 28000.00 lb
Din Conar:	Length:	0.00 ft	Diameter:	0.00 i	ches Volume:		bl .	Weight to Pull	Loose:	68000.00 lb
Drill Pipe Above K	B:	10.00 ft			Total Volume:	53.82 bl	bl	Tool Chased		2.00 ft
Depth to Top Pack	er:	3855.00 ft						String Weight		56000.00 lb
Depth to Bottom Pa		, ft							Final	56000.00 lb
Interval between F	Packers:	25.00 ft								
Tool Length:		53.00 ft								
Number of Packers	S:	2	Diameter:	6.75 ir	ches					
Tool Comments:										
Tool Description	1	Len	gth (ft)	Serial No.	Position	Depth (ft)	Асси	ım. Lengths		
Shut In Tool			5.00			3832.00				·
Hydraulic tool			5.00			3837.00				
Jars			5.00			3842.00				
Safety Joint			3.00			3845.00				
Packer			5.00			3850.00		28.00		Bottom Of Top Packer
Packer			5.00	······		3855.00		·····		
Stubb			1.00			3856.00				
Recorder			0.00	6752	Inside	3856.00				
Recorder			0.00	6741	Inside	3856.00				
Perforations		. 2	21.00			3877.00				
Bulinose			3.00			3880.00		25.00	Bot	tom Packers & Anchor
Tot	al Tool I	ength:	53.00		· · · · · · · · · · · · · · · · · · ·					
			00.00							

Printed: 2011.01.20 @ 10:43:56 Page 3

(ON	RILOBITE	DRI	LL STEM TEST REPORT	•••••••		FLUID S	JMMARY
正式			x Resoures	Heskett #	6-1		
	ESTING , INC		ox 338 io CO 81137	6 7 25w Gramh KS Job Ticket: 040037 DS			1.
		ATTN:	Clayton Erickson	Test Start: 2	2011.01.14 @ (06:15:00	
Mud and Cus	hion Information						
Mud Type: Gei	Chem		Cushion Type:		Oil API:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft,	Water Salinity	, .	ppm
Viscosity:	51.00 sec/qt		Cushion Volume:	bbl		•	ppm
Water Loss:	7.39 in ³		Gas Cushion Type:			4	
Resistivity:	ohm.m		Gas Cushion Pressure:	psig			
Salinity:	900.00 ppm			10			
Filter Cake:	2.00 inches						
Recovery Info	ormation					•	
		_	Recovery Table				
	Lengt ft	h	Description	Volume bbl			
		10.00	mud with oil specs	0.140	<u>]</u>		
	Total Length:	10.0	00 ft Total Volume: 0.140 bbl				
	Num Fluid Sampl	es:0	Num Gas Bombs: 0	Serial #	•		
	Laboratory Name	e:	Laboratory Location:				
	Recovery Comm	ents:	-				
					1		



Printed: 2011.01.20 @ 10:43:57 Page 5

Ref. No: 040037

Trilobite Testing, Inc