Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1260413

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Monogoment Blon
Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huld disposa in nation offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1260413
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		og Formatio	on (Top), Depth and Datum		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
					an ata		
		Report all strings set-c	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 / SQU	JEEZE RECORD		· · · · · ·	
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing							
Plug Off Zone							

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

(If No, skip questions 2 and 3) (If No, skip question 3)

No

🗌 No

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	А		ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru	in:	No	
Date of First, Resumed	I Producti	ion, SWD or ENHF	} .	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:		METHOD OF COMPLETIN		TION:	_	PRODUCTION INT	ERVAL:			
Vented Solo	d 🗌 l	Jsed on Lease		Open Hole	Perf.	Uually (Submit)		Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACO	0-18.)		Other (Specify)		,	(<i>Subinii</i> ACO-4)		

Form	ACO1 - Well Completion			
Operator	Palomino Petroleum, Inc.			
Well Name	Pickett 1			
Doc ID	1260413			

All Electric Logs Run

Dual Induction
Borehole Compensated Sonic
Micro Resistivity
Compensated Density Neutron

Form	ACO1 - Well Completion			
Operator	Palomino Petroleum, Inc.			
Well Name	Pickett 1			
Doc ID	1260413			

Tops

Name	Тор	Datum
Anhy.	2197	(+837)
Base Anhy.	2258	(+776)
Heebner	3922	(-888)
Lansing	3978	(-944)
Muncie Creek	4172	(-1138)
Stark Sh.	4280	(-1246)
ВКС	4414	(-1380)
Marmaton	4438	(-1404)
Pawnee	4532	(-1498)
Ft. Scott	4558	(-1524)
Cherokee Sh.	4572	(-1530)
Morrow Sh.	4745	(-1711)
Morrow Sd.	4790	(-1756)
Miss.	4841	(-1807)
LTD	4960	(-1926)

CONSOLIDATED Oil Well Services, LLC	Consolidated [P.C	EMIT TO Oil Well Services,LLC Dept:970 D.Box 4346 ,TX 77210-4346	JUL 1	8 2015 c 620/431-921	MAIN OFFICE P.O.Box884 Chanute,KS 66720 0,1-800/467-8676 Fax 620/431-0012
	=======================================		=======================================	===========	=======================================
Invoice Date: 07/16/15		Terms: Net 30		Page	1
PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET NEWTON KS 67114-8827 USA		PICK	ETT #1		
Part No Description	===============	Quantity	Unit Price Di	iscount(%)	========== Total
CE0450 Cement Pump Cha	arge 0 - 1500'	1.000	1,500.0000	30.000	1,050.00
CE0002 Equipment Mileage Equipment	e Charge - Heavy	50.000	7.1500	30.000	250.25
CE0710 Cement Delivery C	harge	1.000	1,015.8700	30.000	711.11
CC5829 Lite-Weight Blend	√ (60:40:4)	270.000	16.0000	30.000	3,024.00
CC6075 Celloflake		67.500	2.0000	30.000	94.50
			S	Subtotal	7,328.37
			Discounted A	Amount	2,198.51
			SubTotal After D	iscount	5,129.86
					oaid after 08/15/15 =======
				Tax:	265.07
				Total:	5,394.93

OTTAWA, KS 785/242-4044

OAKLEY, KS 785/672-8822

PONCA CITY, OK 580/762-2303

EL DORADO,KS 316/322-7022

BARTLESVILLE, OK 918/338-0808

EUREKA, KS 620/583-7554

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(A)	Consolid	ated						
	Q4 Well Servic	199, LLC		3440				
C.				FO THEA			Eny Gar	De l
	, Chanute, KS 667 0 or 800-467-867		LU IICKE		TMENT REP	NUAICE FTX	NA959	6
DATE	CUSTOMER #		L NAME & NUM		SECTION	TOWNSHIP	RANGE	KS COUNTY I
<u>?-16-</u> CUSTOMER	15 6285	P. ck	=++サー	Τ	3	20	34	Scott
OUDIONEI	Palam	ino		500++ C:+Y	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADI	DRESS			5 TOROD	23100	Jeremy	8	
				W+0	530+T127	Bill		
CITY		STATE	ZIP CODE	Joadend	640	1		
				5.5				
JOB TYPE	PTA	HOLE SIZE		HOLE DEPTH	۱	CASING SIZE & W	/EIGHT	
CASING DEP	PTH	DRILL PIPE	.	TUBING			OTHER	······
SLURRY WE	IGHT	SLURRY VOL		WATER gal/s	k	CEMENT LEFT in	CASING	
DISPLACEM	ENT	DISPLACEMEN	IT PSI	MIX PSI		RATE		
REMARKS: •	5afetym	restin	9 7:90	red up	on wt	WHO,W	ixed	cement
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800	1200					_		
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200	60							
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						Re	ley Habe	e
ACCOUNT CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PR	ODUCT		TOTAL
CE0456			PUMP CHARG	E ,			150000	150000
<u>C20002</u>			MILEAGE				715	35750
550716	0/1/1/6	» (Ton m	ileage	deliver	Ý	75	101582
	•							
<u>CC 587</u>	270	SKS	Lite W	eight B	lendy (60	140 490 gel)	1600	4320
$cc\omega$	5 67	1/2	CE11081	qfe	-		200	13500
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						dese	nota)	51298
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avin 3737		, #					SALES TAX	240.01
	N Att 8	11 l					TOTAL	5314.93
	W HITELS &	"Hater 1		TITLE			DATED-16-	-15

5135

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form-

Consolidated oit Well Services, LLC	REMI Consolidated Oil W Dept: P.O.Bo Houston,TX	Vell Services,LLC 970 x 4346		620/431-921	MAIN OFFICE P.O.Box884 hanute,KS 66720 0,1-800/467-8676 Fax 620/431-0012
					================================
Invoice Date: 07/08/15	Т	erms: Net 30		Page	1
PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET NEWTON KS 67114-8827 USA		PICKI	ET #1		
Part No Description	2 4 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Quantity	Unit Price I	========= Discount(%)	============= Total
CE0451 Cement Pump Cha	arge 1501' - 3000'	1.000	1,900.0000	33.000	1,273.00
CE0002 Equipment Mileage Equipment	e Charge - Heavy	50.000	7.1500	33.000	239.53
CE0710 Cement Delivery C	Charge	1.000	673.7500	33.000	451.41
CC5871 Surface Blend II, 2	% Gel/3% CaCl	165.000	23.0000	33.000	2,542.65
				Subtotal	6,726.25
			Discounted	l Amount	2,219.66
			SubTotal After	Discount	4,506.59
			Amount D	ue 7,048.83 lf p	oaid after 08/07/15
				Tax:	216.12

GILLETTE, WY 307/686-4914

CUSHING, OK 918/225-2650

OTTAWA, KS 785/242-4044

OAKLEY, KS 785/672-8822

PONCA CITY, OK 580/762-2303

EUREKA, KS 620/583-7554 EL DORADO,KS 316/322-7022

BARTLESVILLE, OK 918/338-0808



Consolidated

Qil Will Services, LLC

TICKET	NUMBER	
LOCATI	ON Jakky	ĸs

49441

FOREMAN Dave Retzloff

			CE#864				DANOT	Ks
DATE	CUSTOMER #	N	ELL NAME & NUM	MBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-6-15	6285	Picke	1+ +1		3	20	34	Scott
CUSTOMER	Palomin			Scatt City South to	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRE		Z		RD 70 West to Dead End	399	Mike	2.5hrs	
CITY		STATE	ZIP CODE	East side	<u>546</u>	Lance	2.Shrs	
JOB TYPE <u>S</u>	face	HOLE SIZE				CASING SIZE & V		14 LBS
CASING DEPTH	218						OTHER	
SLURRY WEIGH	IT_ <i>14</i> .8	SLURRY VC)L_1.36	WATER gal/sk	6.50	CEMENT LEFT in	CASING 20	
DISPLACEMEN	<u>اي نو</u>	DISPLACEN	AENT PSI	MIX PSI		RATE		
	fetu meeting	Rice w	. Break circ	substion wit	h lia aum	p. Mix 165	KS CLASS A	connent
340 66 24	la ente Displa	ac 12.5 1	381s of wate	er, shut in	, Ric down	n		
	ich Circulat							
······								
······								

		Thanks	Dane + cr	<u>en</u>
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		TOTAL
CE0451		PUMP CHARGE	1900.00	1900.00
CE0002	50	MILEAGE	7.15	357.50
CE 0710	7.7	Ton Mileage Delivery	1.75	673.75
CC5871	165 5K5	Surface Biend II. 21/0 gel 34/6 CS	23.00	3795.00
			sub	6726.25
		·	1ess 33%	2219.64
			Total	7306.59
·····				
			SALES TAX	216.12
Ravin 3737	An all		ESTIMATED TOTAL	A722.71
AUTHORIZTION_	Puil The	TITLE	DATE 16	<u>s</u>

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date:	2015.07.10 @	23:28:15	
End Date:	2015.07.11 @	06:40:45	
Job Ticket #:	61437	DST #:	1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

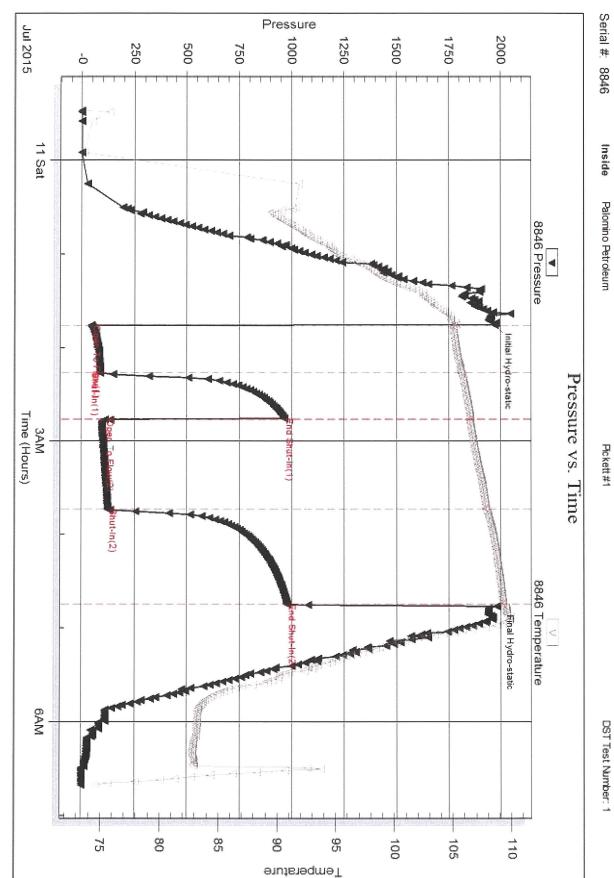
RILOBITE	Palomino Petroleum		3-20	0s-34w \$	Scott,KS		
ESTING , INC			Pic	kett #1			
	New ton KS 67114		Job	Ticket: 61	437	DST#:1	
	ATTN: Andrew Stenzel		Test	t Start: 20)15.07.10 @	23:28:15	
GENERAL INFORMATION:							
Formation: LKC H-I Deviated: No Whipstock: Time Tool Opened: 01:45:30 Time Test Ended: 06:40:45	ft (KB)		Test Test Unit	ter: I	Conventiona Mike Roberts 65	al Bottom Hol s	e (Initial)
nterval: 4173.00 ft (KB) To 42	239.00 ft (KB) (TVD)		Refe	erence Ele	evations:	3034.00	ft (KB)
Total Depth: 4239.00 ft (KB) (T						3029.00	
Hole Diameter: 7.88 inches Hol	e Condition: Fair			KB t	:o GR/CF:	5.00	tt
Serial #: 8846 Inside			_				
Press@RunDepth: 122.79 psig Start Date: 2015.07.10	@ 4176.00 ft (KB) End Date:	2015.07.11	Capacity: Last Calib			8000.00 2015.07.11	psig
Start Time: 23:28:15	End Time:	06:40:45	Time On I		2015.07.11		
			Time Off		2015.07.11	-	
FF:BOB in 42 mi FS:No return blo Pressure vs. 7	W		PF	RESSUR	RESUMM	ARY	
FS:No return blo	w		PF	RESSUE	RESUMM	ARY	
FS:No return blo	w	Time	Pressure	Temp	RE SUMM		
FS:No return blo	W Time 500 Tompose 1 1 K	" (Min.)		Temp (deg F)	Annotatio	on	
FS:No return blo	W Time 590 Torpostre	" (Min.)	Pressure (psig) 1970.93 44.97	Temp (deg F) 105.32 104.85	Annotatio Initial Hydro Open To F	on o-static	
FS:No return blo	W Time 500 Tompose 1 1 K	(Min.) 5 0 1 9 31	Pressure (psig) 1970.93 44.97 87.74	Temp (deg F) 105.32 104.85 105.69	Annotation Initial Hydro Open To F Shut-In(1)	on o-static low (1)	
FS:No return blo	W Sinc 500 Torpote 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Min.) (Min.) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	Pressure (psig) 1970.93 44.97 87.74 964.80	Temp (deg F) 105.32 104.85 105.69 106.52	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I	o-static low (1) n(1)	
FS:No return blo	W France 590 Tomportune I I I I I I I I I I I I I I I I I I I	(Min.) (Min.) 0 1 31 61 61 119	Pressure (psig) 1970.93 44.97 87.74	Temp (deg F) 105.32 104.85 105.69 106.52 106.34	Annotation Initial Hydro Open To F Shut-In(1)	o-static low (1) n(1)	
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FS:No return blo	W France 590 Tomportune I I I I I I I I I I I I I I I I I I I	(Min.) (Min.) 0 1 31 61 61 61 119	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84	Annotatic Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	o-static low (1) n(1) low (2) n(2)	
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FS:No return blo	W Fine SN Treporter Treporter SN Treporter SN Treport	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28	Annotation Initial Hydrr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
FS:No return blo	W Fine B90 Forprake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28	Annotation Initial Hydrr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
FS:No return blo	W Fine SN Treporter Treporter SN Treporter SN Treport	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydrr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
FS:No return blo Pressure vs. 1 200 700 700 700 700 700 700 700 700 700	W Fine BO Torposter Torpos	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static Flow (1) n(1) Flow (2) n(2) o-static	s Rate (MMc
FS:No return blo Pressure vs. 1	W Firme BOTOMENAN Comparison Strangenan Stra	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static Flow (1) n(1) Flow (2) n(2) o-static	s Rate (MMc
FS:No return blo Pressure vs. 7	W Fine 500 Temperative 500 Temperativ	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static Flow (1) n(1) Flow (2) n(2) o-static	is Rate (MMc
FS:No return blo Pressure vs. 1	W Firme BOTOMENAN Comparison Strangenan Stra	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static Flow (1) n(1) Flow (2) n(2) o-static	s Rate (MMc
FS:No return blo Pressure vs. 7 Pressure vs.	W Fine 500 Temperative 500 Temperativ	 (Min.) 0 1 31 61 61 119 180 	Pressure (psig) 1970.93 44.97 87.74 964.80 110.55 122.79 977.00	Temp (deg F) 105.32 104.85 105.69 106.52 106.34 107.84 109.28 109.47	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static Flow (1) n(1) Flow (2) n(2) o-static	is Rate (MMc

RILOBITE	DRILL STEM TES	STREP	URT		
	Palomino Petroleum		3-20s-3	34w Scott,KS	; ;
ESTING , INC			Picket	t #1	
	New ton KS 67114		Job Ticł	et: 61437	DST#: 1
	ATTN: Andrew Stenzel		Test Sta	art: 2015.07.10	@ 23:28:15
GENERAL INFORMATION:					
Formation:LKCH-IDeviated:NoWhipstock:Time Tool Opened:01:45:30Time Test Ended:06:40:45	ft (KB)		Test Ty Tester: Unit No:	Mike Robe	nal Bottom Hole (Initial) rts
Interval: 4173.00 ft (KB) To 4 Total Depth: 4239.00 ft (KB) (T Hole Diameter: 7.88 inches Ho			Referer	KB to GR/CF:	3034.00 ft (KB) 3029.00 ft (CF) 5.00 ft
					5.00 ft
Serial #:8737OutsidePress@RunDepth:psigStart Date:2015.07.10Start Time:23:28:15	End Date:	2015.07.11 06:40:45	Capacity: Last Calib.: Time On Btm Time Off Btm		8000.00 psig 2015.07.11
EST COMMENT: IF:Built to 7 1/2" IS:No return blo FF:BOB in 42 m FS:No return blo	w inutes				
Pressure vs.	Time 5737 Tompandure			SURE SUM	
200 779 709 709 709 709 709 709 7		Time (Min.)		emp Annota eg F)	tion
Recovery				Gas Rates	
Length (ft) Description	Volume (bbl)			Choke (inches) Pres	ssure (psig) Gas Rate (MMcf/c
120.00 ocm 5%o 95%m	0.59				
62.00 mco 20%m 80%o 10.00 free oil 100%o	0.87 0.14				

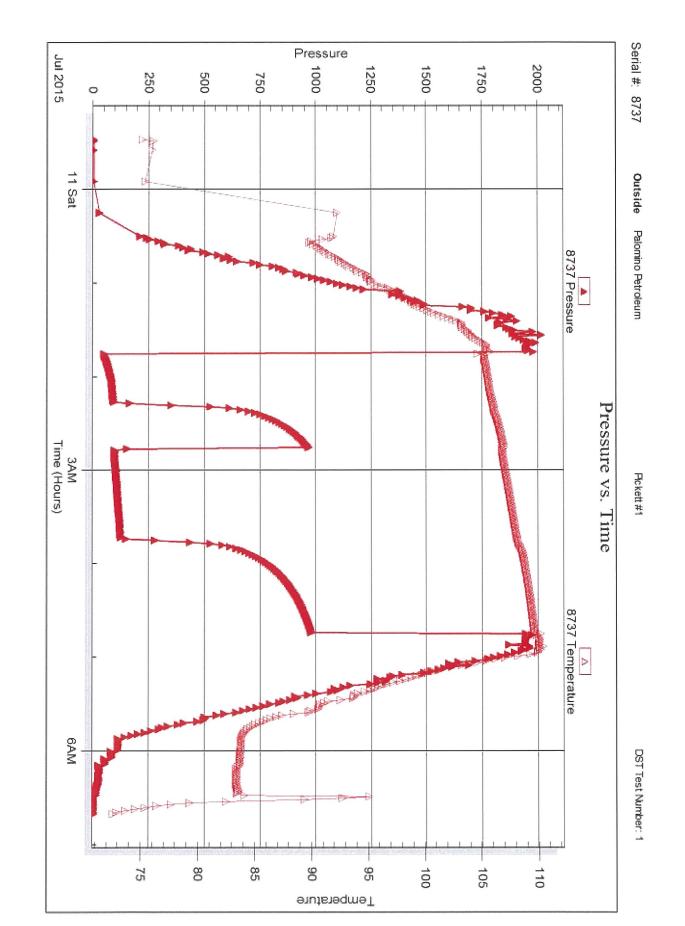
din Tou		DRI	LL STE	M TEST	REPOR		TOOL DIAGRA
	OBITE		o Petroleum			3-20s-34w Scott	,KS
	STING , IM	1 4924 SI	E 84th St			Pickett #1	
			KS 67114			Job Ticket: 61437	DST#: 1
			Andrew Ste	nzel		Test Start: 2015.07.	
						Test Start. 2015.07.	. 10 @ 23.20.13
Tool Information							
Drill Pipe: Leng	th: 4037.00 ft	Diameter:	3.80 inc	ches Volume:	56.63 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe: Leng	th: 0.00 ft	Diameter:	0.00 ind	ches Volume:	0.00 bbl	Weight set on Pa	acker: 25000.00 lb
Drill Collar: Leng	th: 120.00 ft	Diameter:	2.25 inc	ches Volume:	0.59 bbl	Weight to Pull Loo	ose: 80000.00 lb
Drill Pipe Above KB:	12.00 ft		-	Total Volume:	57.22 bbl	Tool Chased	0.00 ft
Depth to Top Packer:	4173.00 ft					String Weight: In	
Depth to Bottom Packer						Fi	inal 60000.00 lb
Interval between Packe							
Tool Length:	94.00 ft						
•	2	Diameter:	6.75 inc	ches			
Number of Packers:							
Number of Packers: Tool Comments:					Dowth (ff)	eeum Lenethe	
Tool Comments: Tool Description		ngth (ft)	Serial No.	Position		ccum. Lengths	
Tool Comments: Tool Description Change Over Sub		ngth (ft) 1.00			4146.00	.ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool		ngth (ft) 1.00 5.00			4146.00 4151.00	ccum. Lengths	
		ngth (ft) 1.00			4146.00	.ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool		ngth (ft) 1.00 5.00 5.00			4146.00 4151.00 4156.00	.ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		ngth (ft) 1.00 5.00 5.00 5.00			4146.00 4151.00 4156.00 4161.00	accum. Lengths	Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		ngth (ft) 1.00 5.00 5.00 5.00 3.00			4146.00 4151.00 4156.00 4161.00 4164.00		Bottom Of Top Packe
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			4146.00 4151.00 4156.00 4161.00 4164.00 4169.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars		ngth (ft) 1.00 5.00 5.00 5.00 3.00 5.00 4.00			4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		angth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00			4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4173.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		angth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4174.00 4176.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder		angth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4174.00 4176.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Change Over Sub		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4173.00 4176.00 4176.00 4176.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Recorder Change Over Sub Drill Pipe		angth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00 1.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4174.00 4176.00 4176.00 4176.00 4177.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder		ngth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00 1.00 32.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4174.00 4176.00 4176.00 4176.00 4177.00 4209.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Change Over Sub Drill Pipe Change Over Sub		angth (ft) 1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 1.00 32.00 1.00	Serial No.	Position	4146.00 4151.00 4156.00 4161.00 4164.00 4169.00 4173.00 4176.00 4176.00 4176.00 4176.00 4177.00 4209.00 4210.00		Bottom Of Top Packe

	DRI	LL STEM TEST REPORT	-		FLUID SUMMARY
	Palomi	no Petroleum	3-20s-34w	Scott,KS	
TESTING , INC	4924 S	E 84th St	Pickett #1		
	New to	n KS 67114	Job Ticket: 6	1437	DST#: 1
	ATTN:	Andrew Stenzel	Test Start: 2	015.07.10 @ 2	23:28:15
Mud and Cushion Information					
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 53.00 sec/qt Water Loss: 7.52 in ³		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type:		Oil API: Water Salinity:	31 deg API : 0 ppm
Resistivity:0.00 ohm.mSalinity:2100.00 ppmFilter Cake:1.00 inches		Gas Cushion Pressure:	psig		
Recovery Information					
		Recovery Table		1	
Leng ft	th	Description	Volume bbl		
	120.00	ocm 5%o 95%m	0.590	4	
	<u>62.00</u> 10.00	mco 20%m 80%o free oil 100%o	0.870 0.140	-	
Total Length:		.00 ft Total Volume: 1.600 bbl	,	-	
Num Fluid Sam, Laboratory Nar Recovery Com	ne:	Num Gas Bombs: 0 Laboratory Location: P132 @70 corrected to 31 @ 60	Serial #:		
Trilobite Testing, Inc		ef. No: 61437		: 2015.07.16 @	D0:25:24

Ref. No: 61437



Ref. No: 61437





Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start D)ate:	2015.07.11	@	14:06:15	
End Da	ate:	2015.07.11	@	19:48:00	
Job Tic	:ket #:	61438		DST #:	2

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.16 @ 09:34:53

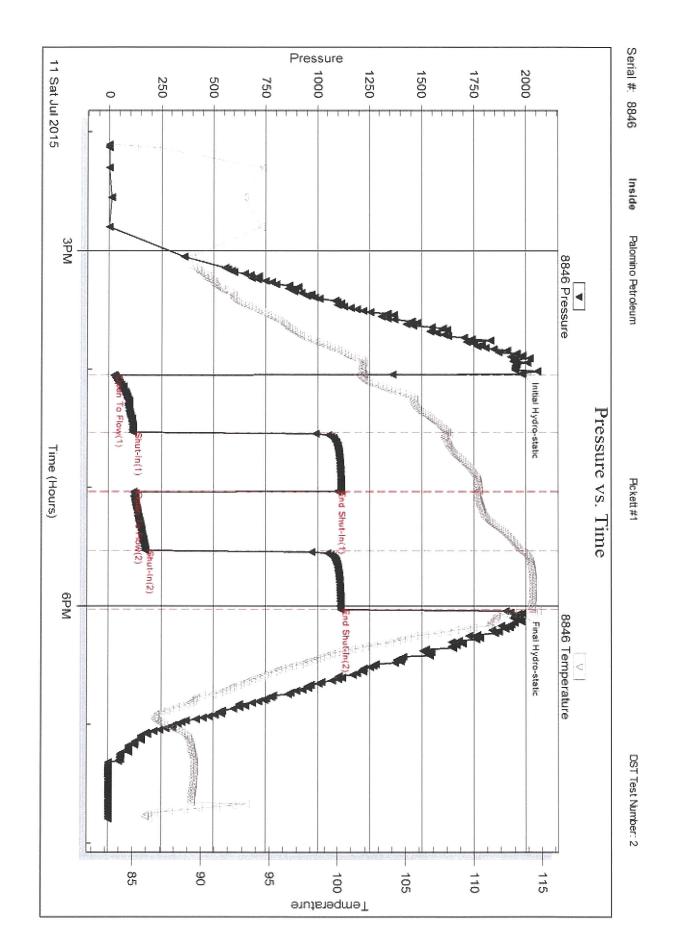
RILOBITE	DRILL STEM TE						
TESTING, INC	Palomino Petroleum		3-20s-	-34w S	Scott,KS		
	4924 SE 84th St New ton KS 67114		Picke	e tt #1 :ket: 614	438	DST#:2	
	ATTN: Andrew Stenzel				400 15.07.11 @		
GENERAL INFORMATION:							
Formation: LKC J Deviated: No Whipstock: Time Tool Opened: 16:02:45 Time Test Ended: 19:48:00	ft (KB)		Test Ty Tester: Unit No	: N	Conventional ⁄like Roberts 5	l Bottom Hok	e (Reset)
Interval:4237.00 ft (KB) To42'Total Depth:4278.00 ft (KB) (TVHole Diameter:7.88 inchesHole	D)		Refere		vations:	3034.00 3029.00 5.00	ft (CF)
Serial #: 8846InsidePress@RunDepth:172.55 psigStart Date:2015.07.11Start Time:14:06:15TEST COMMENT:IF:BOB in 26 min. IS:No return blow FF:BOB in 26 min	End Date: End Time:	2015.07.11 19:48:00	Capacity: Last Calib.: Time On Btn Time Off Btr	n: 2	2015.07.11 @ 2015.07.11 @	-	psig
FS:No return blov Pressure vs. Tr	me		PRE	SSUR	E SUMM/	ARY	
2000	390 Temperature	Time	1 1	Temp	Annotatio		
		(Min.) 0 1 30 60 90 120 122	1982.53 24.30 114.76 1095.37 118.33 172.55 1113.33	101.54 108.06 110.37 110.16 113.36 114.25	Open To Fl Shut-In(2) End Shut-In	low (1) h(1) low (2) h(2)	
Time(Ham)		0 1 30 60 90 120	1982.53 24.30 114.76 1095.37 118.33 172.55 1113.33	101.89 101.54 108.06 110.37 110.16 113.36 114.25 112.82 Gas	Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In Final Hydro	low (1) n(1) low (2) n(2) o-static	
The data of the second	65 05 05 Volume (bbl)	0 1 30 60 90 120	1982.53 24.30 114.76 1095.37 118.33 172.55 1113.33	101.89 101.54 108.06 110.37 110.16 113.36 114.25 112.82	Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In Final Hydro	low (1) n(1) low (2) n(2) o-static	s Rate (MMc
Time(Ham)		0 1 30 60 90 120	1982.53 24.30 114.76 1095.37 118.33 172.55 1113.33	101.89 101.54 108.06 110.37 110.16 113.36 114.25 112.82 Gas	Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In Final Hydro	low (1) n(1) low (2) n(2) o-static	5 Rate (MMc
The plane The plane	Volume (bbl) 0.59	0 1 30 60 90 120	1982.53 24.30 114.76 1095.37 118.33 172.55 1113.33	101.89 101.54 108.06 110.37 110.16 113.36 114.25 112.82 Gas	Open To Fl Shut-In(1) End Shut-In Open To Fl Shut-In(2) End Shut-In Final Hydro	low (1) n(1) low (2) n(2) o-static	5 Rate (MMc

RILOBITE	Palomino Petroleum		3-20s-	34w Scott,K	S
ESTING, INC					-
	4924 SE 84th St New ton KS 67114		Picket	tt #1 <et: 61438<="" td=""><td>DST#:2</td></et:>	DST#:2
	ATTN: Andrew Stenzel		Test Sta	art: 2015.07.11	@ 14:06:15
GENERAL INFORMATION:					
Formation: LKC J					
Deviated: No Whipstock: Time Tool Opened: 16:02:45	ft (KB)		Test Ty Tester:		nal Bottom Hole (Reset)
Time Test Ended: 19:48:00			Unit No:		a 15
Interval: 4237.00 ft (KB) To 42	278.00 ft (KB) (TVD)		Referer	nce Elevations:	3034.00 ft (KB)
Total Depth: 4278.00 ft (KB) (T					3029.00 ft (CF)
Hole Diameter: 7.88 inches Hole	e Condition: Fair			KB to GR/CF:	5.00 ft
Serial #: 8737 Outside					
Press@RunDepth: psig			Capacity:		8000.00 psig
Start Date: 2015.07.11	End Date:	2015.07.11	Last Calib.:		2015.07.11
Start Time: 14:06:15	End Time:	19:48:00	Time On Btm Time Off Btm	-	
Pressure vs. 1	5737 Temperature	5 Time 5 (Min.)	Pressure T	SSURE SUM emp Annota eg F)	
		6	Pressure T	emp Annota	
		, ,	(psig) (d	eg r)	
1750	41 + 1				
F F A					
		6			
		Temperature			
		5 Temparatura			
		5 Temparatura			
		6 Temperature			
		6 Temperature			
To page 1 and 1 an		6 Temperature		Gas Rates	
		6 Temperature		Gas Rates Choke (inches) Pre	ssure (psig) Gas Rate (MMc
The Plan)		6 Temperature			ssure (psig) Gas Rate (MMc
The M225 Tree (Hon) Recovery Length (ft) Description	Grad	6 Temperature			ssure (psig) Gas Rate (MMc
20 31 70 50 20 31 70 50 20 31 70 50 20 31 70 70 120.00 w cm 10%w 90%m	Volume (bbl) 0.59	6 Temperature			ssure (psig) Gas Rate (MMc
20 31 70 50 20 31 70 50 20 31 70 50 20 31 70 70 120.00 w cm 10%w 90%m	Volume (bbl) 0.59	6 Temperature			ssure (psig) Gas Rate (MMc
20 31 70 50 20 31 70 50 20 31 70 50 20 31 70 70 120.00 w cm 10%w 90%m	Volume (bbl) 0.59	6 Temperature			ssure (psig) Gas Rate (MMc

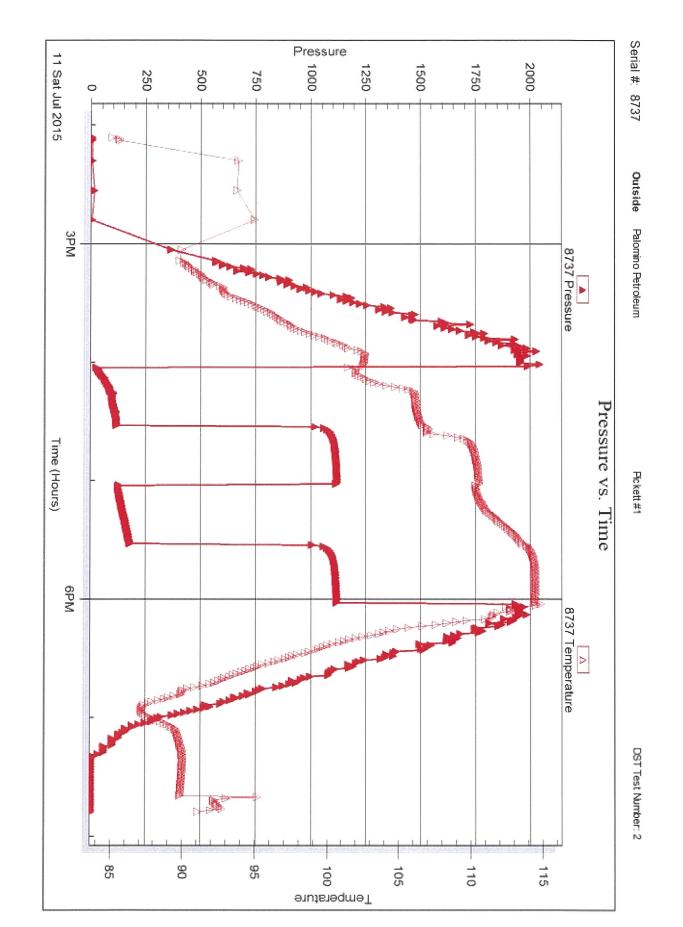
AL XA I	RILOE	RITE		LL STEI	VIIESI	REPU	T I	TOOL DIAGRA
》 上			1	o Petroleum			3-20s-34w Scott,	(S
	I EST	FING , INC	4924 S	E 84th St			Pickett #1	
			New tor	1 KS 67114			Job Ticket: 61438	DST#: 2
			ATTN:	Andrew Ster	nzel		Test Start: 2015.07.1	1 @ 14:06:15
Tool Information	n							
Drill Pipe:	Length:	4109.00 ft	Diameter:	3.80 inc	hes Volume:	57.64 bbl	Tool Weight:	1500.00 lb
-	Length:	0.00 ft	Diameter:	0.00 inc	hes Volume:	0.00 bbl	Weight set on Pack	ker: 20000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inc	hes Volume:	0.59 bbl	Weight to Pull Loos	se: 80000.00 lb
Drill Pine Above K	۵.	20.00 ft		ī	Total Volume:	58.23 bbl		0.00 ft
Orill Pipe Above Kl Depth to Top Pack		4237.00 ft					String Weight: Initia	
Depth to Bottom Pack		4237.00 ft					Fina	al 56000.00 lb
Interval between I		41.00 ft						
Tool Length:		69.00 ft						
Number of Packer	s:	2	Diameter:	6.75 inc	hes			
Tool Comments:					_			
Tool Comments: Tool Description		Le		Serial No.	Position		Accum. Lengths	
Tool Comments: Tool Descriptio Change Over Sub		Le	1.00	Serial No.	Position	4210.00	Accum. Lengths	
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool		Le	1.00 5.00	Serial No.	Position	4210.00 4215.00	Accum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool -lydraulic tool		Le	1.00 5.00 5.00	Serial No.	Position	4210.00 4215.00 4220.00	Accum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars		Le	1.00 5.00 5.00 5.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00	Accum. Lengths	
Tool Comments: Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00 3.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00 4228.00		Bottom Of Top Packe
Tool Comments: Fool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		Le	1.00 5.00 5.00 5.00 3.00 5.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00	Accum. Lengths	Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 3.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00	Serial No.	Position	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00		Bottom Of Top Packe
Tool Comments: Fool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00			4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00 4239.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder		Le	1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8846	Inside	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00 4239.00 4239.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Change Over Sub		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 1.00 0.00 0.00	8846	Inside	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00 4239.00 4239.00 4239.00		Bottom Of Top Packe
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sub Drill Pipe	1	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 1.00 0.00 0.00 1.00	8846	Inside	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00 4239.00 4239.00 4239.00 4239.00 4239.00		Bottom Of Top Packe
	1	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 1.00 32.00	8846	Inside	4210.00 4215.00 4220.00 4225.00 4228.00 4233.00 4237.00 4238.00 4239.00 4239.00 4239.00 4239.00 4229.00 4229.00		Bottom Of Top Packe Bottom Packers & Anchor

10 Ph		DRI	LL S	TEM TEST	REPORT	_		FLUID SUMMARY	
	RILOBITE	Palomir	o Petrole	um		3-20s-34w	Scott,KS	***************************************	
翻	ESTING , INC	4924 S	E 84th St			Pickett #1	l		
独]	-		n KS 671			Job Ticket: 6		DST#: 2	
	k	ATTN:	Andrew	Stenzel		Test Start: 2	2015.07.11 @ 1	14:06:15	
Mud and	Cushion Information								
			C	Cushion Type:			Oil A PI:	0 deg API	
Mud Weight:				Sushion Length:		ft	Water Salinity	-	
Viscosity:	44.00 sec/qt			Cushion Volume:		bbl			
Water Loss:				Bas Cushion Type:					
Resistivity:	0.00 ohm.m		G	Bas Cushion Press	ure:	psig			
Salinity: Filter Cake:	3600.00 ppm 1.00 inches								
Recovery	Information								
			F	Recovery Table					
	Lengt ft	h		Description		Volume bbl			
		120.00	w cm 10	%w 90%m		0.59	0		
		216.00	mud 100)%m		3.03	0		
	Total Length:	336.	00 ft	Total Volume:	3.620 bbl				
	Num Fluid Samp	les: 0		Num Gas Bombs	: 0	Serial #	ŧ		
	Laboratory Nam			Laboratory Loca	tion:				
1	Recovery Comm	nents:RV	/= .36@9	9.8*=14,000 ppm					

Ref. No: 61438



Ref. No: 61438





Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date:	2015.07.12 @	04:51:15	
End Date:	2015.07.12 @	10:44:15	
Job Ticket #:	61439	DST #:	3

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.16 @ 09:34:32

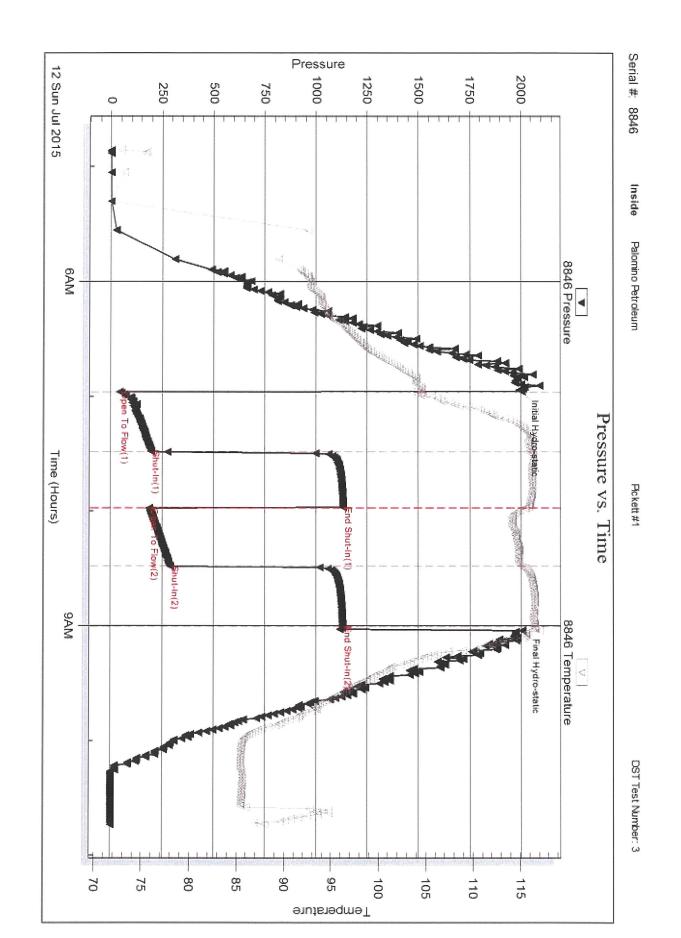
RILOBITE	Palomino Petroleum		2_0	0s-34w	Scott,KS		
TESTING, INC	F				0000,10		
	4924 SE 84th St New ton KS 67114		Pic	kett #1			
	1 NEW LUTINO 0/114		Job	Ticket: 61	439	DST#: 3	
	ATTN: Andrew Stenzel		Test	t Start: 20)15.07.12 @	04:51:15	
GENERAL INFORMATION:							
Formation:LKC KDeviated:NoWhipstock:Time Tool Opened:06:57:30Time Test Ended:10:44:15	ft (KB)		Test Test Unit	ter: I	Conventiona Mike Roberts 65	al Bottom Hol s	e (Reset)
Interval: 4277.00 ft (KB) To 43	342.00 ft (KB) (TVD)		Refe	erence Ele	evations:	3034.00	ft (KB)
Total Depth: 4342.00 ft (KB) (T						3029.00	
Hole Diameter: 7.88 inches Hole	e Condition: Fair			KB t	o GR/CF:	5.00	ft
Serial #: 8846 Inside							
Press@RunDepth: 289.90 psig	-		Capacity			8000.00	psig
Start Date: 2015.07.12	End Date: End Time:	2015.07.12	Last Calil			2015.07.12	
Start Time: 04:51:15	Ena lime:	10:44:15	Time On Time Off		2015.07.12 (2015.07.12 (
Pressure vs. 7	Time			RESSUE	RESIMM	ARY	••••••
					RE SUMM		
	2540 Tompankire	Time (Min.)	Pressure	Temp	RE SUMM		
200	546 Temperature	Time (Min.) 0	Pressure (psig) 2005.02	Temp (deg F) 104.64	Annotatio	on o-static	Nepterson
	840 Tompodane 115 120 120 120 120 120 120	(Min.) 0 1	Pressure (psig) 2005.02 43.15	Temp (deg F) 104.64 103.51	Annotatio Initial Hydro Open To F	on o-static	
200	500 Temperature 	(Min.) 0 1 32	Pressure (psig) 2005.02 43.15 196.37	Temp (deg F) 104.64 103.51 116.06	Annotatio Initial Hydro Open To F Shut-In(1)	on o-static low (1)	
500 Honura 500 Ho	500 Temperature 	(Min.) 0 1 32 61	Pressure (psig) 2005.02 43.15	Temp (deg F) 104.64 103.51 116.06 115.91	Annotatio Initial Hydro Open To F	o-static low (1) n(1)	
900 Hostor 1730	500 Temperature T	(Min.) 0 1 32 61 62 92	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-II Open To F Shut-In(2)	on o-static ilow (1) n(1) ilow (2)	
900 Hostor 1730	840 Tomporales 115 115 115 115 115 115 115 11	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
770 770 770 770 770 770 770 770 770 770	500 Temperature T	(Min.) 0 1 32 61 62 92	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static ilow (1) n(1) ilow (2) n(2)	
300 900 Thomas 1730 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	800 Tomporation 115 115 115 115 115 115 115 11	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
200 900 Heater 200 17	50 Temperature 	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
	80 Torpaine 115 15 15 15 15 15 15 15 15 1	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
	800 Torporation 115 115 115 115 115 115 115 11	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
2 dan M 225	80 Torpaine 115 15 15 15 15 15 15 15 15 1	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-In	on o-static ilow (1) n(1) ilow (2) n(2)	
Zan JJ ZHS View View View View View View View View	BO Temperater 15 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	is Rate (MMc
Exercised for the same set of	BO Torpoten 15 10 15 15 10 15 10 15 15 10 15 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	as Rate (MMc
тернала торо то	BO Toponano Terro	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	as Rate (MMc
200 March 1200 March 12000 Mar	BO Torpoten 15 10 15 15 10 15 10 15 15 10 15 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	as Rate (MMc
тернала торо то	BO Toponano Terro	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	is Rate (MMc
тернала торо то	BO Toponano Terro	(Min.) 0 1 32 61 62 92 123	Pressure (psig) 2005.02 43.15 196.37 1134.05 187.68 289.90 1131.15	Temp (deg F) 104.64 103.51 116.06 115.91 115.66 115.06 116.55 117.05	Annotatio Initial Hydro Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro s Rates	o-static low (1) n(1) low (2) n(2) o-static	is Rate (MM

States Transformer States	RILOBITE	Palomino Petroleum		3-20s-34v	v Scott,KS	
(自主)	ESTING , INC	4924 SE 84th St				
图目		4924 SE 84th St New ton KS 67114		Pickett # Job Ticket:		DST#: 3
"Nj4 1"		ATTN: Andrew Stenzel		Test Start:	2015.07.12 @	D 04:51:15
GENERAL	INFORMATION:					
Formation: Deviated:	LKC K No Whipstock:			Test Turse	Convention	al Dattana I Jala (Das at)
Time Tool Op	oened: 06:57:30	ft (KB)		Test Type: Tester:	Mike Rober	al Bottom Hole (Reset) ts
	nded: 10:44:15			Unit No:	65	
Interval: Total Depth:	4277.00 ft (KB) To 43 4342.00 ft (KB) (TV			Reference	Elevations:	3034.00 ft (KB) 3029.00 ft (CF)
Hole Diamete		e Condition: Fair		к	B to GR/CF:	5.00 ft
Serial #:	8737 Outside					
Press@Runl		@ 4279.00 ft (KB)		Capacity:		8000.00 psig
Start Date:	2015.07.12	End Date:	2015.07.12	Last Calib.:		2015.07.12
Start Time:	04:51:15	End Time:	10:44:15	Time On Btm: Time Off Btm:		
	S737 Pressure	573 Terponize	Time (Min.)	Pressure Temp (psig) (deg l		ion
	Pressure vs. T		1	DDECO	JRE SUMN	
[S737 Pressure					ion
2000			(10001.)		<i>'</i>	
1750						
1						
1500						
			Temp			
r - -	1		Temperature			
1230			Temperature			
1220			Tempuntun			
750			Temperatura			
7529			Tumpundun			
7529	CN Treptan)		Tempuntan			
	The plan		Temperatus		Gas Rates	
	Recovery Description		Temperatin			sure (psig) Gas Rate (MMc
229 Length (ft) 120.00	Time (Ham) Recovery Description mcw 20%m 80%w	Volume (bbl) 0.59	Tempuntun			sure (psig) Gas Rate (MMcd
229 229 229 229 229 229 229 229	Time (Ham) Recovery Description mcw 20%m 80%w w cm 10%w 90%m	Volume (bbl) 0.59 2.61	Temperatura			sure (psig) Gas Rate (MMc
229 Length (ft) 120.00	Time (Ham) Recovery Description mcw 20%m 80%w	Volume (bbl) 0.59	Temperatura			sure (psig) Gas Rate (MMc
229 229 229 229 229 229 229 229	Time (Ham) Recovery Description mcw 20%m 80%w w cm 10%w 90%m	Volume (bbl) 0.59 2.61				sure (psig) Gas Rate (MMc
229 229 229 229 229 229 229 229	Time (Ham) Recovery Description mcw 20%m 80%w w cm 10%w 90%m	Volume (bbl) 0.59 2.61	Temperatur			sure (psig) Gas Rate (MMo

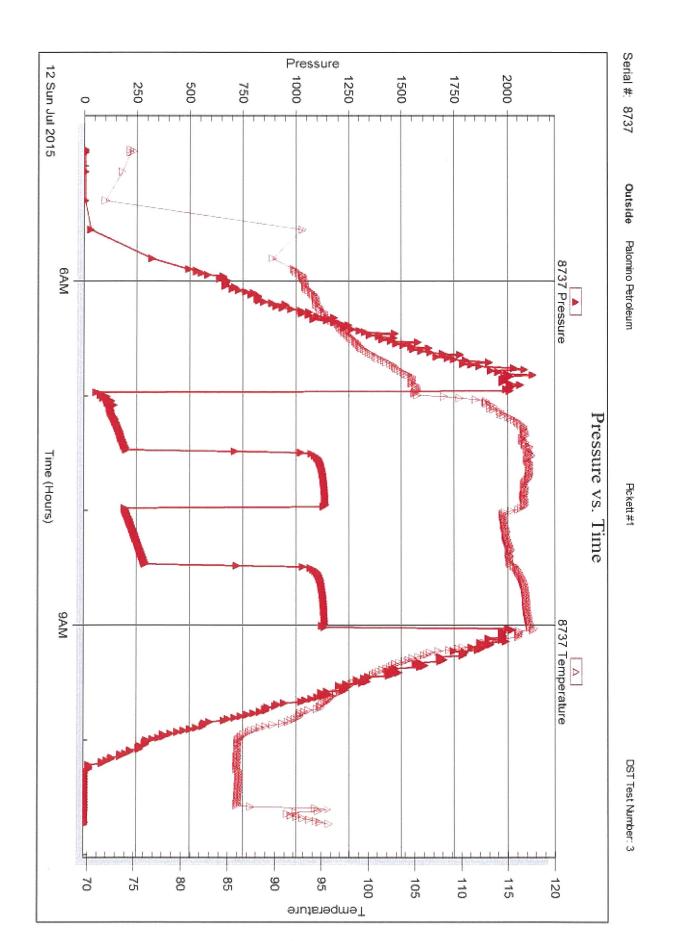
	RILO			o Petroleum			3-20s-34w Sco	ott,KS	
	ES:	TING , INC	4924 SI	E 84th St			Pickett #1		
	2		1	n KS 67114	ļ		Job Ticket: 61439	9	DST#:3
			ATTN:	Andrew St	enzel		Test Start: 2015.	07.12 @ 04:	
Tool Informatio	on		Į						
Drill Pipe:	Length:	4141.00 ft	Diameter:	3.80 i	nches Volum	e: 58.09 bbl	Tool Weight:	15	500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 i	nches Volum	e: 0.00 bbl	Weight set on	Packer: 200	00.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 i	nches Volum	e: 0.59 bbl	Weight to Pull		
		40.00 ()			Total Volum	e: 58.68 bbl	Tool Chased		0.00 ft
Drill Pipe Above ł Danth ta Tan Paa		12.00 ft					String Weight:	Initial 600	00.00 lb
Depth to Top Pac Depth to Bottom I		4277.00 ft ft						Final 600	00.00 lb
nterval between									
Tool Length:	r donci 3.	93.00 ft							
Number of Packe	ers:	2	Diameter:	6.75 i	nches				
Tool Comments: Tool Descriptic	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths		
Tool Descriptic		Le	ngth (ft) 1.00	Serial No.	Position	Depth (ft)	Accum. Lengths		
Tool Descriptic		Le		Serial No.	Position		Accum. Lengths		
Tool Descriptic Change Over Sul Shut In Tool		Le	1.00	Serial No.	Position	4250.00	Accum. Lengths		
		Le	1.00 5.00	Serial No.	Position	4250.00 4255.00	Accum. Lengths		
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool		Le	1.00 5.00 5.00	Serial No.	Position	4250.00 4255.00 4260.00	Accum. Lengths		
Fool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00	Serial No.	Position	4250.00 4255.00 4260.00 4265.00	Accum. Lengths 28.00	Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No.	Position	4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00	Serial No.	Position	4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4277.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00			4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4278.00 4279.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder		Le	1.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00	8846	Inside	4250.00 4255.00 4260.00 4265.00 4268.00 4273.00 4277.00 4278.00 4279.00 4279.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder	b	Le	1.00 5.00 5.00 3.00 5.00 4.00 1.00 1.00 0.00 0.00			4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4277.00 4279.00 4279.00 4279.00		Bc	ttom Of Top Packer
Fool Descriptic Change Over Sul Shut In Tool Hydraulic tool Bars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sul	b	Le	1.00 5.00 5.00 5.00 5.00 5.00 4.00 1.00 1.00 0.00 0.00 1.00	8846	Inside	4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4278.00 4279.00 4279.00 4279.00 4280.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sul Drill Pipe	b	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 1.00 32.00	8846	Inside	4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4278.00 4279.00 4279.00 4279.00 4280.00 4312.00		Bc	ttom Of Top Packer
Tool Descriptic Change Over Sul Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sul Drill Pipe Change Over Sul	b	Le	1.00 5.00 5.00 3.00 5.00 4.00 1.00 1.00 0.00 0.00 1.00 32.00 1.00	8846	Inside	4250.00 4255.00 4260.00 4268.00 4273.00 4277.00 4279.00 4279.00 4279.00 4279.00 4279.00 4280.00 4312.00 4313.00		Bc	ttom Of Top Packer
Fool Descriptic Change Over Sul Shut In Tool Hydraulic tool lars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sul Drill Pipe	b		1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 1.00 32.00	8846	Inside	4250.00 4255.00 4265.00 4265.00 4268.00 4273.00 4277.00 4278.00 4279.00 4279.00 4279.00 4280.00 4312.00			ttom Of Top Packer

	DRI	LL STEM TEST REPORT	•		FLUID SUMMARY
		no Petroleum	3-20s-34w	Scott,KS	·
ESTING , INC	10210	E 84th St	Pickett #1		
	New to	n KS 67114	Job Ticket: 6	51439	DST#:3
	ATTN:	Andrew Stenzel	Test Start: 2	2015.07.12 @ 04	1:51:15
Mud and Cushion Information					
Mud Type:Gel ChemMud Weight:9.00 lb/galViscosity:44.00 sec/qtWater Loss:8.63 in³Resistivity:0.00 ohm.mSalinity:3600.00 ppmFilter Cake:1.00 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg API 21000 ppm
Recovery Information					
		Recovery Table		7	
Leng ft		Description	Volume bbl		
	120.00	mcw 20%m 80%w	0.590		
	186.00 186.00	w cm 10%w 90%m mud 100%m	2.609	-	:
Total Length:		.00 ft Total Volume: 5.808 bbl	2.000	의	
Num Fluid Sam Laboratory Nar Recovery Com	me:	Num Gas Bombs: 0 Laboratory Location: V= .32@85.1=21,000 ppm	Serial#		
Trilobite Testing, Inc	R	ef. No: 61439	Printec	1: 2015.07.16 @	09:34:33

Ref. No: 61439



Ref. No: 61439





Prepared For: Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date:	2015.07.13 @	02:12:15	
End Date:	2015.07.13 @	07:57:15	
Job Ticket #:	61440	DST #:	4

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.16 @ 09:34:05

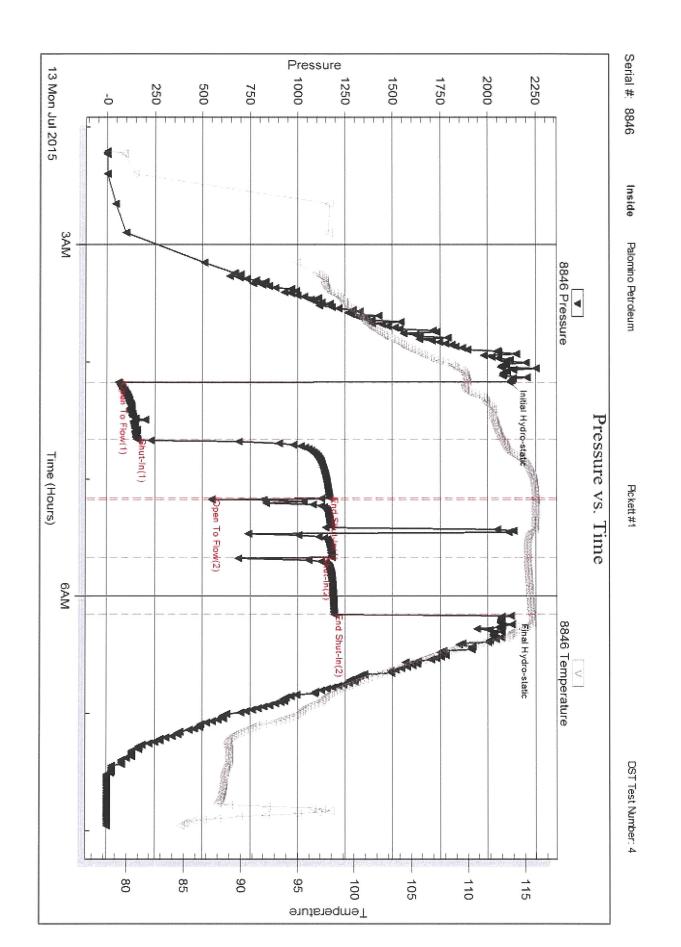
RILOBITE	Palomino Petroleum			3-2	0s-34w	Scott,KS		
ESTING , IN	4924 SE 84th St				:kett #1	-		
	4924 SE 84th St New ton KS 67114				:κeπ #1 Ticket: 61	440	DST#:4	r
								•
·////////	ATTN: Andrew Stenzel			les	t Start: 20)15.07.13 @	02:12:15	
GENERAL INFORMATION:								
Formation: Marmaton				_		•		(m)
Deviated: No Whipstock Time Tool Opened: 04:10:15	: ft (KB)			Tes		Conventiona Mike Roberts	al Bottom Hol	e (Reset)
Time Test Ended: 07:57:15						65	5	
Interval: 4416.00 ft (KB) To	4527.00 ft (KB) (TVD)			Ref	erence Ele	evations:	3034.00	ft (KB)
Total Depth: 4239.00 ft (KB)							3029.00	
Hole Diameter: 7.88 inchesH	ble Condition: Fair				KB t	o GR/CF:	5.00	ft
Serial #: 8846 Inside								
Press@RunDepth: 1181.14 psig		_		Capacity			8000.00	psig
Start Date: 2015.07.13		2	2015.07.13	Last Cali			2015.07.14	
Start Time: 02:12:1	5 End Time:		07:57:15	Time On Time Off		2015.07.13 2015.07.13	@ 04:10:00 @ 06:10:00	
FS:No return b	s. Tíme			PI	RESSUF	RESUMM	ARY	
	flushed tool weak surface blow							
Pressure v	s. Tíme			PI	RESSUF	RE SUMM	ARY	
	s. Tranc 890 Terpantre		Time	Pressure	Temp	RE SUMM		
Pressure v:	s. Tranc 890 Terpantre	115	Time (Min.) 0		Temp (deg F)	Annotatio	on	
ZZD	s. Trmc	115	(Min.)	Pressure (psig)	Temp (deg F) 109.98 109.37	Annotatio Initial Hydro Open To F	on o-static flow (1)	
220 7700 7700 7700 7700 7700 7700 7700	s. Time statistics statistic		(Min.) 0 1 30	Pressure (psig) 2114.93 58.73 157.31	Temp (deg F) 109.98 109.37 112.95	Annotatio Initial Hydro Open To F Shut-In(1)	on o-static low (1)	
225 BOT Course 230 Toolare 230	s. Time state of the second s	110 105	(Min.) 0 1 30 60	Pressure (psig) 2114.93 58.73 157.31 1167.33	Temp (deg F) 109.98 109.37 112.95 115.93	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I	on o-static īlow (1) n(1)	
225 BOT Course 230 Toolare 230	s. Time 500 Toppadre	110 105	(Min.) 0 1 30	Pressure (psig) 2114.93 58.73 157.31	Temp (deg F) 109.98 109.37 112.95 115.93 115.86	Annotatio Initial Hydra Open To F Shut-In(1) End Shut-I Open To F	o-static flow (1) n(1) flow (2)	
225 BOT Course 230 Toolare 230	s. Time	110 105	(Min.) 0 1 30 60 61	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23	Annotation Initial Hydro Open To F Shut-In(1) End Shut-I	o-static ilow (1) n(1) ilow (2)	
220 200 1720 100 100 100 100 100 100 100 100 100 1	s. Time	1123 1025 1020 Tempera	(Min.) 0 1 30 60 61 90	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	o-static low (1) n(1) low (2) n(2)	
Pressure v. 800 Pressure 200 1720	s. Time	119 105 100 Temperatura 55	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
Pressure v.	s. Trinc	1100 1005 55 59 59 55	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
Pressure v. BØPresse 200 700 700 700 700 700 700 700	s. Trinc	119 105 100 Temperatura 55	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
Pressure version of the second	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	o-static low (1) n(1) low (2) n(2)	
Pressure v BUPresure 100 100 100 100 100 100 100 10	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static low (1) n(1) low (2) n(2)	
Pressure version of the second	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MMo
Pressure vi Bélin dage Transford Tr	s. Trinc	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MMc
Pressure versions of the second secon	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MM
Pressure versions of the second secon	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MMd
Pressure versions of the second secon	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MM
Pressure versions of the second secon	s. Time	110 105 100 Temperature 55 59 59	(Min.) 0 1 30 60 61 90 120	Pressure (psig) 2114.93 58.73 157.31 1167.33 547.39 1181.14 1192.89	Temp (deg F) 109.98 109.37 112.95 115.93 115.86 115.23 115.56 115.66	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I Final Hydro	o-static ilow (1) ilow (2) in(2) o-static	as Rate (MMc

RILOBITE	Palomino Petroleum		3_20e	-34w Scott,K	s
TESTING, INC					-
	4924 SE 84th St New ton KS 67114		Picke	ett #1	
			Job Tic	cket: 61440	DST#:4
	ATTN: Andrew Stenzel		Test S	Start: 2015.07.13	@ 02:12:15
GENERAL INFORMATION:					
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:04:10:15Time Test Ended:07:57:15	ft (KB)		Test T Tester Unit No	r: Mike Robe	onal Bottom Hole (Reset) erts
Interval: 4416.00 ft (KB) To 45 Total Depth: 4239.00 ft (KB) (TV				ence Elevations:	3034.00 ft (KB) 3029.00 ft (CF)
Hole Diameter: 7.88 inches Hole				KB to GR/CF:	
Serial #: 8737 Outside		<u></u>			
Press@RunDepth: psig			Capacity:		8000.00 psig
Start Date: 2015.07.13 Start Time: 02:12:15	End Date: End Time:	2015.07.13 07:57:30	Last Calib.: Time On Btr		2015.07.14
otart fille. 02.12.15		07.97:50	Time On Btr Time Off Bt		
FS:No return blov Pressure vs. Ti 5727 Presure		Time		ESSURE SUM	
Pressure vs. Ti	ine				
Z20 E27 Mesure	fime 659 forgendare	Time ⊯ (Min.)	Pressure	ESSURE SUM Temp Annot: (deg F)	
ZZD Pressure vs. Tr S727 Pressure ZZD A A A A A A A A A A A A A A A A A A	fime 5737 Temperature		Pressure	Temp Annot	
Z20 E27 Mesure	STST Temperature	⊯s (Min.)	Pressure	Temp Annot	
ZZD Pressure vs. Tr S727 Pressure ZZD A A A A A A A A A A A A A A A A A A	STO Temperate	ns (Min.) na as	Pressure	Temp Annot	
220 E27 Mesure	STO Temperate	ns (Min.) no os	Pressure	Temp Annot	
220 E27 Mesure	STO Temperate	ns (Min.) ns os	Pressure	Temp Annot	
220 5727 Pressure vs. Th 5727 Pressure 200 1790 1200	STO Temperate	ns (Min.) no os	Pressure	Temp Annot	
Pressure vs. Tr 220 720 720 720 720 720 720 720	STO Temperate	ns (Min.) no os	Pressure	Temp Annot	
200 507 Mesure 200 179 179 179 179 179 179 179 179	STO Temperate	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot	
Pressure vs. Tr	ESO Temperature ESO Temperature 1 1 1 1 1 1 1 1 1 1 1 1 1	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot	
Pressure vs. Tr DD Pressure DD Pressure D	SIDE S77 Forpratue 1 1 1 1 1 1 1 1 1 1 1 1 1	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot	ation
Pressure vs. Tr	SIDE S77 Forpratue 1 1 1 1 1 1 1 1 1 1 1 1 1	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation
Pressure vs. Tr D27 Mesure 200 100 100 100 100 100 100 100		ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation
Pressure vs. The D27 Mesure 200 100 100 100 100 100 100 100	Inc ROV Forperators Torrespondence Torrespo	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation
Pressure vs. The D27 Mesure 200 100 100 100 100 100 100 100	Inc SUP forpulate Description	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation
Pressure vs. The D27 Mesure 200 100 100 100 100 100 100 100	Inc SUP forpulate Description	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation
Pressure vs. The D27 Mesure 200 100 100 100 100 100 100 100	Inc SUP forpulate Description	ns (Min.) 19 065 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Pressure	Temp Annot (deg F) Gas Rates	ation

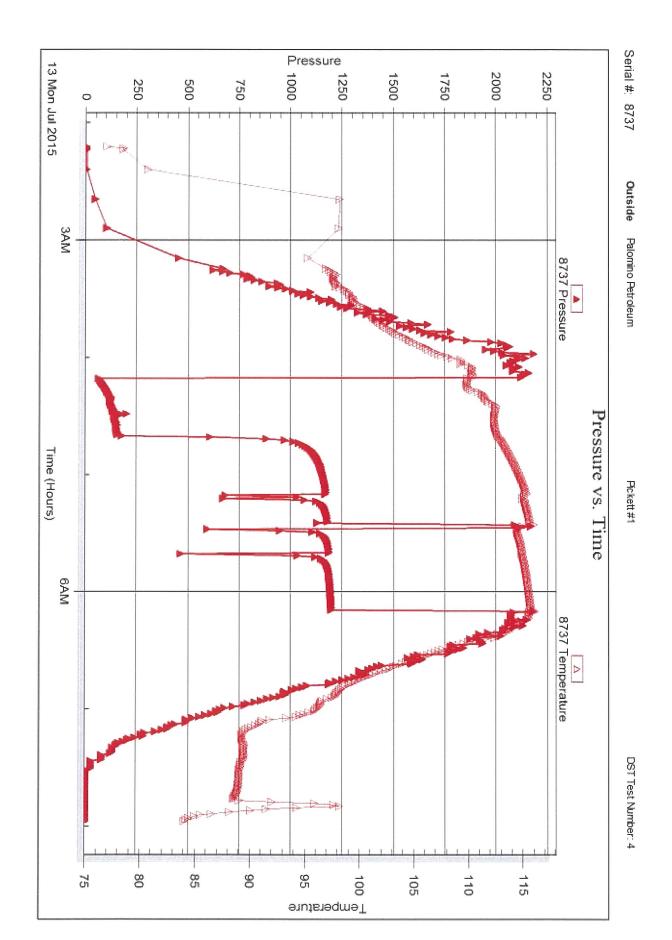
AN TO	LOBITE		LSIE		REPOR	1	TOOL DIAGRAI
			Petroleum			3-20s-34w Scott,KS	
	ESTING , INC	4924 SE	84th St			Pickett #1	
		New ton k	<s 67114<="" th=""><th></th><th></th><th>Job Ticket: 61440</th><th>DST#:4</th></s>			Job Ticket: 61440	DST#:4
		ATTN: A	Andrew St	enzel		Test Start: 2015.07.13 @	
Tool Information							
		Diamatan	0.00		00.00 hbl	T	4500.00 %
•	ngth: 4300.00 ft ngth: 0.00 ft			nches Volume: nches Volume:	60.32 bbl 0.00 bbl	Tool Weight: Weight set on Packer:	1500.00 lb
• •	5	Diameter:		nches Volume:	0.59 bbl	Weight to Pull Loose:	
	igui. 120.00 It		د.دن ا	Total Volume:	60.91 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:	4416.00 ft					Final	60000.00 lb
Depth to Bottom Pack	er: ft					r inter	
Interval betw een Pacl							
Tool Length:	139.00 ft						
•			·				
Number of Packers:	2	Diameter:	6.75 i	nches			
Number of Packers: Tool Comments:							
Tool Comments: Tool Description			6.75 m		Depth (ft) Ad	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub		ngth (ft) S				ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool		ngth (ft) S 1.00			4389.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool		ngth (ft) S 1.00 5.00			4389.00 4394.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars		ngth (ft) S 1.00 5.00 5.00			4389.00 4394.00 4399.00	ccum. Lengths	
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		ngth (ft) S 1.00 5.00 5.00 5.00			4389.00 4394.00 4399.00 4404.00	ccum. Lengths	Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		ngth (ft) S 1.00 5.00 5.00 5.00 3.00			4389.00 4394.00 4399.00 4404.00 4407.00		Bottom Of Top Packer
		ngth (ft) S 1.00 5.00 5.00 5.00 3.00 5.00			4389.00 4394.00 4399.00 4404.00 4407.00 4412.00		Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		ngth (ft) S 1.00 5.00 5.00 5.00 3.00 5.00 4.00			4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00		Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		ngth (ft) S 1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00			4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00 4417.00		Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder		ngth (ft) S 1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 8.00	Serial No.	Position	4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00 4417.00 4425.00		Bottom Of Top Packet
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder		ngth (ft) S 1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 8.00 0.00	Serial No.	Position	4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00 4417.00 4425.00 4425.00		Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Packer Stubb Perforations Recorder Recorder Change Over Sub		ngth (ft) S 1.00 5.00 5.00 3.00 5.00 4.00 1.00 8.00 0.00 0.00	Serial No.	Position	4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00 4416.00 4417.00 4425.00 4425.00		Bottom Of Top Packer
Tool Comments: Tool Description Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		ngth (ft) S 1.00 5.00 5.00 3.00 5.00 4.00 1.00 8.00 0.00 0.00 1.00	Serial No.	Position	4389.00 4394.00 4399.00 4404.00 4407.00 4412.00 4416.00 4417.00 4425.00 4425.00 4425.00 4426.00		Bottom Of Top Packer

NIX.		DRI	LL STEM TEST RE	PORT			FLUID S	UMMARY
	RILOBITE	Palomin	no Petroleum		3-20s-34w	Scott,KS		
翻	ESTING , INC	4924 S	E 84th St		Pickett #1			
		New tor	n KS 67114		Job Ticket: 6	1440	DST#:4	
		ATTN:	Andrew Stenzel		Test Start: 2	015.07.13 @ (02:12:15	
Mud and C	Sushion Information				<u> </u>			
•••	Gel Chem		Cushion Type:			Oil API:		0 deg API
Mud Weight:	9.00 lb/gal 44.00 sec/qt		Cushion Length: Cushion Volume:		ft bbl	Water Salinity	:	0 ppm
Viscosity: Water Loss:	9.93 in ³		Gas Cushion Type:		וממ			
Resistivity:	0.00 ohm.m		Gas Cushion Pressure:		psig			
Salinity:	5100.00 ppm							
Filter Cake:	1.00 inches							
Recovery	nformation		Recovery Table					
	Lengt	h	Description		Volume]		
	ft	274.00	 mud 100%m		bbl 2.750			
	Total Length:		.00 ft Total Volume:	2.750 bbl		1		
	Num Fluid Samp Laboratory Nam Recovery Comn	e:	Num Gas Bombs: Laboratory Location:	0	Serial #:			

Ref. No: 61440



Ref. No: 61440





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date:	2015.07.13 @	19:13:15	
End Date:	2015.07.14 @	00:51:30	
Job Ticket #:	61441	DST #:	5

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.16 @ 09:33:27

RILOBITE	Palomino Petroleum		3-2	0s-34w	Scott,KS	
ESTING , INC					ootijne	
	4924 SE 84th St New ton KS 67114			kett #1		
				Ticket: 61		T#:5
	ATTN: Andrew Stenzel		Test	t Start: 20	015.07.13 @ 19:13:1	15
GENERAL INFORMATION:						
Formation: Pawnee-Ft Scott			_	_		
Deviated: No Whipstock: Time Tool Opened: 21:10:30	ft (KB)		Test		Conventional Botton Vike Roberts	1 Hole (Reset)
Time Test Ended: 00:51:30			Unit		65	
Interval: 4522.00 ft (KB) To 46	10.00 ft (KB) (TVD)		Refe	erence Ele	evations: 3034	I.00 ft (KB)
Total Depth: 4610.00 ft (KB) (T∨	-					0.00 ft (CF)
Hole Diameter: 7.88 inches Hole	Condition: Fair			KB t	o GR/CF: 5	5.00 ft
Serial #: 8846 Inside						
Press@RunDepth: 710.98 psig (-	0045 07 44	Capacity			0.00 psig
Start Date: 2015.07.13 Start Time: 19:13:15	End Date: End Time:	2015.07.14 00:51:30	Last Calit Time On I		2015.07 2015.07.13 @ 21:10	
10.10.10		00.01.00	Time Off		2015.07.13 @ 23:12	
220		Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
Pressure vs. Ti					RE SUMMARY	
				(deg F)		
		0	2170.51 53.67	110.97	Initial Hydro-static Open To Flow (1)	
1750		1 1	55.07	110.50		
E 🔏 🖌 🕹 i i i		30	55.09	110.72	Shut-In(1)	
		30 61	55.09 309.74		Shut-In(1) End Shut-In(1)	
		61	309.74 274.03	111.83 111.82	End Shut-In(1) Open To Flow (2)	
		61 61 90	309.74 274.03 710.98	111.83 111.82 112.86	End Shut-In(1) Open To Flow (2) Shut-In(2)	
		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
		61 61 90	309.74 274.03 710.98	111.83 111.82 112.86	End Shut-In(1) Open To Flow (2) Shut-In(2)	
		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2)	
200 700 700 200 200 200 200 200 200 200		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	
recovery		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79 Ga	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMrff
ten M225		Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMcfr
Length (ft)	Volume (bbl)	Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79 Ga	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMcf
tength (ft)	Volume (bbl)	Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79 Ga	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMcf
tength (ft)	Volume (bbl)	Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79 Ga	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMcf
Length (ft)	Volume (bbl)	Tomperature 61 61 90 122	309.74 274.03 710.98 370.29	111.83 111.82 112.86 113.82 113.79 Ga	End Shut-In(1) Open To Flow (2) Shut-In(2) End Shut-In(2) Final Hydro-static	Gas Rate (MMcf

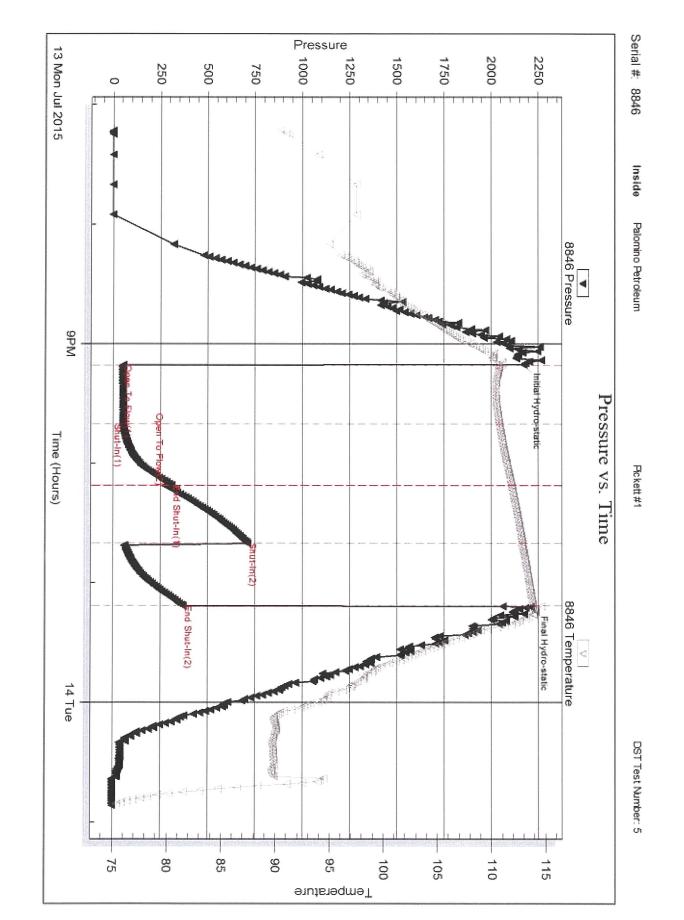
RILOBITE		L STEM TE							
	Palomino F	Petroleum			3-2	0s-34w	Scott,KS		
ESTING ,					Pic	:kett #1			
	New ton K	S 67114			Job	Ticket: 6	1441	DST#:	5
	ATTN: A	ndrew Stenzel			Tes	t Start: 2	015.07.13 (ۇ 19:13:15	
GENERAL INFORMATION:								# 11 0 1001	
Formation: Pawnee-Ft Sc Deviated: No Whipsto Fime Tool Opened: 21:10:30 Fime Test Ended: 00:51:30		ft (KB)			Tes	ter:	Convention Mike Rober 65	al Bottom He ts	ble (Reset)
nterval: 4522.00 ft (KB) To	o 4610.00 ft (KB	3) (TVD)			Ref	erence E	evations:	3034.00) ft (KB)
Total Depth: 4610.00 ft (KI) ft (CF)
Hole Diameter: 7.88 inche	esHole Condition:	Fair				KB	to GR/CF:	5.00) ft
Serial #: 8737 Outside								_	
Press@RunDepth: Start Date: 2015.0		.00 ft (KB) Date:	20	015.07.14	Capacity Last Cali			8000.00 2015.07.14	
Start Date: 2015.0 Start Time: 19:1				00:51:45	Time On			2013.07.12	ŀ
					Time Off				
Z20		2] rpomine 		Time (Min.)	Pf Pressure (psig)	RESSUI Temp (deg F)	RE SUMN Annotat		
FS:No retui	rn blow ne vs. Time		26 50 Temperatura 5		Pressure	Temp	Annotat		
FS:No return Pressue 773 773 773 773 773 773 773 773 773 77	rn blow ne vs. Time 		26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat		
FS:No retur	rn blow ne vs. Time ne vs. Time very		26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc
FS:No retur	rn blow ne vs. Time ne vs. Time very		26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Sas Rate (MMc
FS:No retur	rn blow ne vs. Time ne vs. Time very	11 11 11 11 11 11 11 11 11 11	26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Sas Rate (MMct
FS:No retur	rn blow ne vs. Time ne vs. Time very	11 11 11 11 11 11 11 11 11 11	26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Sas Rate (MMct
FS:No retur	rn blow ne vs. Time ne vs. Time very	11 11 11 11 11 11 11 11 11 11	26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc
FS:No retur	rn blow ne vs. Time ne vs. Time very	11 11 11 11 11 11 11 11 11 11	26 50 Temperatura 5		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMcf

	RILOI			o Petroleun	1		3-20s-34w Sc	ott,KS	
	EST	TING , INC	4924 SI	E 84th St			Pickett #1		
				KS 6711	4		Job Ticket: 6144	1	DST#: 5
			ATTN:	Andrew S	tenzel		Test Start: 2015		
Tool Informatio	n		ļ						
Drill Pipe:	Length:	4395.00 ft	Diameter:	3.80	inches Volun	ne: 61.65 bbl	Tool Weight:		1500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches Volun	ne: 0.00 bbl	-	Packer:	
	Length:	120.00 ft	Diameter:	2.25	inches Volun	ne: 0.59 bbl			
	(D	04 00 5			Total Volun	ne: 62.24 bbl			0.00 ft
Drill Pipe Above K		21.00 ft					String Weight	: Initial	62000.00 lb
Depth to Top Pack		4522.00 ft ft						Final	62000.00 lb
Depth to Bottom P Interval betw een I									
Tool Length:	rauneis.	116.00 ft							
Number of Packer	rs.	2	Diameter:	6 75	inches				
Tool Comments:		han	Jun 0.01.	0.70					
Tool Descriptio	'n	ما	nath (ft)	Serial No	Position	Depth (ft)	Accum Lengths		
		Le		Serial No	. Position		Accum. Lengths		
Change Over Sub		Le	1.00	Serial No	. Position	Depth (ft) 4495.00 4500.00	Accum. Lengths		
Change Over Sub Shut In Tool		Le		Serial No	. Position	4495.00	Accum. Lengths		
Tool Descriptio Change Over Sub Shut In Tool Hydraulic tool Jars		Le	1.00 5.00	Serial No	. Position	4495.00 4500.00	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars		Le	1.00 5.00 5.00	Serial No	. Position	4495.00 4500.00 4505.00	Accum. Lengths		
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint		Le	1.00 5.00 5.00 5.00	Serial No	. Position	4495.00 4500.00 4505.00 4510.00	Accum. Lengths		Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer		Le	1.00 5.00 5.00 5.00 3.00	Serial No	. Position	4495.00 4500.00 4505.00 4510.00 4513.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Le	1.00 5.00 5.00 5.00 3.00 5.00	Serial No	. Position	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00	Serial No	. Position	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00	Serial No		4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4523.00 4525.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations		Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00		Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4522.00 4525.00 4525.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder)	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00	8846	Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4522.00 4525.00 4525.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sub)	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00	8846	Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4522.00 4525.00 4525.00 4525.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sub Drill Pipe)	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00 1.00	8846	Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4522.00 4525.00 4525.00 4525.00 4525.00 4526.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder)	Le	1.00 5.00 5.00 5.00 3.00 5.00 4.00 1.00 0.00 0.00 1.00 63.00	8846	Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4523.00 4525.00 4525.00 4525.00 4525.00 4526.00 4589.00			Bottom Of Top Packe
Change Over Sub Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Stubb Perforations Recorder Recorder Change Over Sub Drill Pipe Change Over Sub)	Le	1.00 5.00 5.00 3.00 5.00 4.00 1.00 2.00 0.00 0.00 1.00 63.00 1.00	8846	Inside	4495.00 4500.00 4505.00 4510.00 4513.00 4518.00 4522.00 4522.00 4525.00 4525.00 4525.00 4525.00 4526.00 4589.00 4590.00		Bott	Bottom Of Top Packe

din T		DRI	LL STE	M TEST R	EPORT			FLUID S	UMMARY
	RILOBITE	Palomir	o Petroleum			3-20s-34w	Scott,KS		
	ESTING , INC	4924 S	E 84th St			Pickett #1			
	•		1 KS 67114			Job Ticket: 6		DST#:5	
		ATTN:	Andrew Sten	zel			015.07.13 @		
Mud and Cush	ion Information								
Mud Type: Gel C	Ъет		Cushic	on Type:			Oil API:		0 deg API
Mud Weight:	9.00 lb/gal			on Length:		ft	Water Salinity	/:	0 ppm
Viscosity:	44.00 sec/qt			on Volume:		bbl			
Water Loss:	9.96 in ³			ushion Type:					
Resistivity: Salinity:	0.00 ohm.m 3850.00 ppm		Gas C	ushion Pressure:		psig			
Filter Cake:	1.00 inches								
Recovery Info	rmation								
	l			very Table	I		ר		
	Lengt ft			scription		Volume bbl			:
		2.00	mud 100%m			0.010	2		
	Total Length:	2.	00 ft Tol	tal Volume:	0.010 bbl				
	Num Fluid Samp			m Gas Bombs:	0	Serial #	:		
	Laboratory Nam		Lal	boratory Location	:				
	Recovery Comm	ents:							

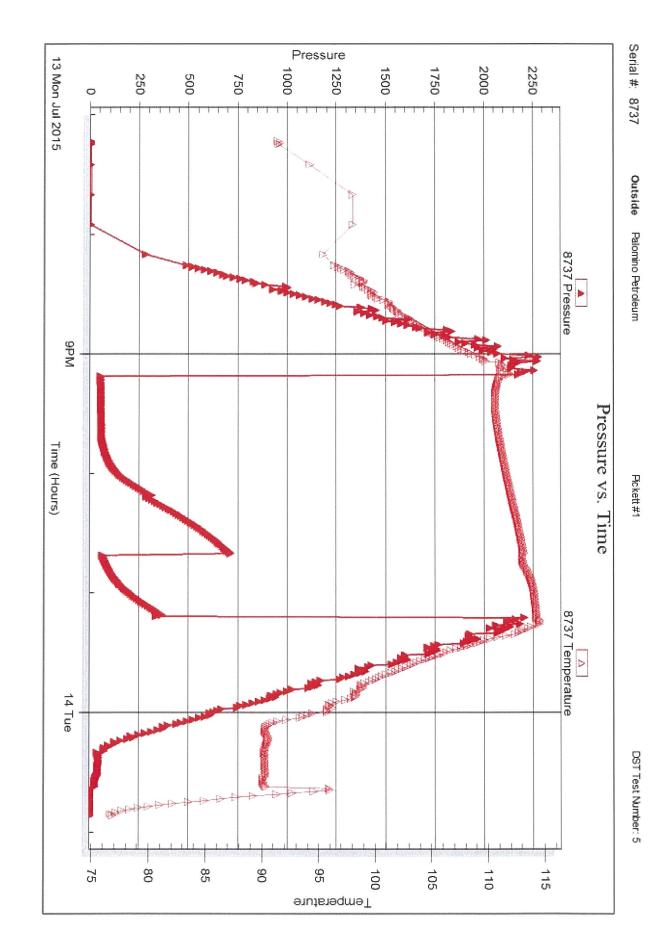
Ref. No: 61441





Ref. No: 61441







DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum

4924 SE 84th St Newton KS 67114

ATTN: Andrew Stenzel

Pickett #1

3-20s-34w Scott,KS

Start Date:	2015.07.15 @	19:44:15	
End Date:	2015.07.16 @	03:26:00	
Job Ticket #:	61442	DST #:	6

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.16 @ 09:33:12

	RILOBITE	Palomino Petroleum			3-3	00-3414	Scott,KS		
商	ESTING , INC						000u,N0		
		4924 SE 84th St New ton KS 67114			Pic	ckett #1			
/ 額野/					Job	Ticket: 61	1442	DST#:	3
		ATTN: Andrew Ster	zel		Tes	st Start: 20	015.07.15 @) 19:44:15	
	INFORMATION:								
Formation: Deviated:	Marmaton No Whipstock:	ft (KB)			Tor	t Type:	Convention	al Bottom Ho	la (Pasa
Time Tool Ope	•	n (ND)					Mike Roberts		
Time Test Ende					Uni	t No:	65		
Interval:	4447.00 ft (KB) To 45				Ref	erence E	evations:	3034.00	
Total Depth: Hole Diameter:	4518.00 ft (KB) (T	/D) e Condition: Fair						3029.00	
Hole Diameter:	7.88 Incheshole					KB 1	to GR/CF:	5.00	TT
Serial #: 8					0				
Press@RunDe Start Date:	epth: 212.34 psig 2015.07.15	@ 4451.00 ft (KB) End Date:		2015.07.16	Capacity Last Cal			8000.00 2015.07.16	psig
Start Date: Start Time:	2015.07.15 19:44:15	End Date: End Time:		03:26:00	Last Cal Time On			@ 22:02:45	
				00.20.00	Time Off			@ 01:03:15	
2250	Pressure vs. T		- 115	Time (Min.) 0	P Pressure (psig) 2160.16	Temp (deg F)	RE SUMM Annotatio	on	
1750				(Min.) 0 1 31 60	Pressure (psig) 2160.16 47.56 131.74 1172.16	Temp (deg F) 111.96 111.14 114.81 114.57	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I	on o-static Flow (1) In(1)	
1750			- 115	(Min.) 0 1 31	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38	Temp (deg F) 111.96 111.14 114.81 114.57 114.18	Annotatio Initial Hydr Open To F Shut-In(1) End Shut-I Open To F	on o-static Flow (1) In(1) Flow (2)	
2000 1779			115 115 110 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static Flow (1) In(1) Flow (2)	
1750				(Min.) 0 1 31 60 61 120	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90	Annotatio Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	on o-static Flow (1) In(1) Flow (2)	
2000 1770 1700			115 119 55 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static Flow (1) In(1) Flow (2)	
2000 1770			115 119 55 50 50 50 50 50 50 50 50 50 50 50 50	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	on o-static Flow (1) In(1) Flow (2)	
2000 1770	BARE Presure	Volume (b	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	on o-static Flow (1) In(1) Flow (2) In(2) o-static	as Rate (MM
200 1729 1	Recovery Description mcw 40%m 60%w	Volume (b 0.59	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	o-static Flow (1) Flow (2) In(2) o-static	as Rate (MM
2000 1720	BARE Presure	Volume (b	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	o-static Flow (1) Flow (2) In(2) o-static	as Rate (MI
200	Recovery Description mcw 40%m 60%w	Volume (b 0.59	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	o-static Flow (1) Flow (2) In(2) o-static	as Rate (MI
200	Recovery Description mcw 40%m 60%w	Volume (b 0.59	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	o-static Flow (1) Flow (2) In(2) o-static	as Rate (MI
200	Recovery Description mcw 40%m 60%w	Volume (b 0.59	115 119 100 100 100 100 100 100 100 100 100	(Min.) 0 1 31 60 61 120 180	Pressure (psig) 2160.16 47.56 131.74 1172.16 132.38 212.34 1164.44	Temp (deg F) 111.96 111.14 114.81 114.57 114.18 118.90 117.73 117.47	Annotatic Initial Hydr Open To F Shut-In(1) End Shut-I Shut-In(2) End Shut-In(2) End Shut-I Final Hydr	o-static Flow (1) Flow (2) In(2) o-static	as Rate (Mt

(ヨリ	RILOBITE	Palomino Petroleum			3-2	0s-34w	Scott,KS		
雷	ESTING , INC	4924 SE 84th St				:kett #1			
		A924 SE 84th St New ton KS 67114				Ticket: 6		DOT#. C	
	l							DST#:6	
		ATTN: Andrew Stenze	• 		Tes	t Start: 2	015.07.15 @	2) 19:44:15	
GENERAL	INFORMATION:								
	Marmaton No Whipstock: bened: 22:03:00 nded: 03:26:00	ft (KB)			Tes		Convention Mike Robert 65	al Bottom Hol ts	e (Reset)
Interval:	4447.00 ft (KB) To 45	18.00 ft (KB) (TVD)			Refe	erence E	levations:	3034.00	ft (KB)
Total Depth:								3029.00	
Hole Diamete	er: 7.88 inchesHole	Condition: Fair				KB	to GR/CF:	5.00	ft
Serial #:					_				
Press@Runl Start Date:	Depth: psig 2015.07.15	@ 4451.00 ft (KB) End Date:		2015.07.16	Capacity Last Calil			8000.00 2015.07.16	psig
Start Date:	19:44:15	End Time:		03:26:00	Time On			2015.07.10	
					Time Off	Btm:			
220	E/S/ Presure	2737 Temperature		Time (Min.)	Pressure (psig)	Temp (deg F	Annotat	ion	
	Pressure vs. T	anne 2737 Terpenikre		Time			RE SUMN		
1	Ř.			(Min.)	(psig)	(deg F)			
2000				1			1		
-									
1750									
1500			- 110						
1270			110						
1530									
1270			1110 1110 1105 1107 1108 1107 1108 1107 1107 1107 1107						
123			1100 Temperature (deg F)						
1200 1200 720 720									
F300 F250 F300 F300 F300 F4 F4 F4 F4 F4 F500 F4 F500 F4 F500	St CT		10 10 10 10 10 10 10 10 10 10 10 10 10 1						
	Time (Haus)		10 10 10 10 10 10 10 10 10 10 10 10 10 1						
500 500 500 500 500 500 500 500	Time (Hans) Recovery		10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	as Rates		s Paris /MM
500 720 700 700 700 700 700 700 7	Time (Ham) Recovery Description	Volume (bbl)	10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	·····	sure (psig) Ga	s Rate (MMo
500 500 500 500 500 500 500 500	Time (Hans) Recovery		10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	·····	sure (psig) Ga	s Rate (MMo
E20 T21 T22 T22 T22 T22 T22 T22 T22	Time (Ham) Recovery Description mcw 40%m 60%w	Volume (bbl) 0.59	10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	·····	sure (psig) Ga	s Rate (MMo
E20 T21 T22 T22 T22 T22 T22 T22 T22	Time (Ham) Recovery Description mcw 40%m 60%w	Volume (bbl) 0.59	10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	·····	sure (psig) Ga	s Rate (MMd
E20 T21 T22 T22 T22 T22 T22 T22 T22	Time (Ham) Recovery Description mcw 40%m 60%w	Volume (bbl) 0.59	10 10 10 10 10 10 10 10 10 10 10 10 10 1			1	·····	sure (psig) Ga	s Rate (MMo

RILOBITE	Palomino Petroleum			3-20)s-34w	Scott,KS		
TESTING , INC	7							
	4924 SE 84th St New ton KS 67114				kett #1			
				Job	Ticket: 6	1442	DST#:	:6
	ATTN: Andrew Stenze	1		Test	Start: 2	015.07.15 (@ 19:44:15	
GENERAL INFORMATION:								
Formation:MarmatonDeviated:NoWhipstock:Time Tool Opened:22:03:00Time Test Ended:03:26:00	ft (KB)			Test Test Unit	er:	Convention Mike Rober 65	al Bottom H ts	ole (Reset)
Interval: 4447.00 ft (KB) To 4	518.00 ft (KB) (TVD)			Refe	erence E	evations:	3034.0) ft (KB)
Total Depth: 4518.00 ft (KB) (0 ft (CF)
Hole Diameter: 7.88 inches Ho	le Condition: Fair				KB	to GR/CF:	5.0	D ft
Serial #: 8646 Below (Stra								
Press@RunDepth: psig		,	0045 07 40	Capacity:			8000.00 2015.07.10	
Start Date: 2015.07.15 Start Time: 19:44:15		4	2015.07.16 03:26:00	Last Calib Time On E			2015.07.10	0
				Time Off I				
FS:No return bli		- 115 	Time (Min.)	PR Pressure (psig)	RESSUI Temp (deg F)	RE SUMN		
Pressure vs. 800 Resure 220	Time			Pressure	Temp	Annotat		
Pressure vs.	Time DO Imposive	Image: state		Pressure	Temp	Annotat		
Pressure vs.	Time DO Imposive	Image: state		Pressure	Temp (deg F)	Annotat		
Pressure ve.	Time DO Imposive	Image: state		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc
Pressure ve.	Time DO Imposive 	Image: state		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMct
Pressure ve.	Time DO Forgonize Time Time DO Forgonize Time Time DO Forgonize Time DO Forgonize DO Forgo	Image: state		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc
Pressure vs.	Time BOD Temporare DD Temporare Time BOD Temporare DD Temporare Time DD Temporare DD Tempora	Image: state		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc
Pressure vs.	Time BOD Temporare DD Temporare Time BOD Temporare DD Temporare Time DD Temporare DD Tempora	Image: state		Pressure	Temp (deg F)	Annotat as Rates	ion	Gas Rate (MMc

ACON TOUR	OBITE	DRI	LL STE	EM TEST	REPOR	RT	TOOL DIAGRAM
			o Petroleum			3-20s-34w Scott,KS	
	STING , INC	-020	E 84th St			Pickett #1	
		New tor	1 KS 67114			Job Ticket: 61442	DST#:6
		ATTN:	Andrew St	enzel		Test Start: 2015.07.15 @) 19:44:15
Tool Information		4					
Drill Pipe: Lengt	h: 4320.00 ft	Diameter:	3.80 ir	nches Volume:	60.60 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe: Lengt	h: 0.00 ft	Diameter:	0.00 iı	nches Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar: Lengt	h: 120.00 ft	Diameter:	2.25 i	nches Volume:	0.59 bbl		
Drill Pipe Above KB:	21.00 ft			Total Volume:	61.19 bbl		0.00 ft
Depth to Top Packer:	4447.00 ft					String Weight: Initial Final	62000.00 lb 63000.00 lb
Depth to Bottom Packer:	ft					Filld	
Interval betw een Packe							
Tool Length:	542.00 ft		_				
Number of Packers:	2	Diameter:	6.75 i	nches			
Tool Comments:							
Tool Description	Lei	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub		1.00			4420.00		
Shut In Tool		5.00			4425.00		
Hydraulic tool		5.00			4430.00		
Jars		5.00			4435.00		
Safety Joint		3.00			4438.00		
Packer		5.00			4443.00	28.00	Bottom Of Top Packer
Packer		4.00			4447.00		······································
Stubb		1.00			4448.00		
Perforations		2.00			4450.00		
Change Over Sub		1.00			4451.00		
Recorder		0.00	8846	Inside	4451.00		
Recorder		0.00	8737	Outside	4451.00		
Drill Pipe		32.00					
		02.00			4483.00		
Change Over Sub		1.00			4483.00 4484.00		
Change Over Sub		1.00			4484.00		
Change Over Sub Perforations Blank Off Sub		1.00 25.00			4484.00 4509.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer		1.00 25.00 1.00			4484.00 4509.00 4510.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer Packer		1.00 25.00 1.00 4.00			4484.00 4509.00 4510.00 4514.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb		1.00 25.00 1.00 4.00 4.00			4484.00 4509.00 4510.00 4514.00 4518.00	514.00	Tool interval
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb Perforations		1.00 25.00 1.00 4.00 4.00 1.00			4484.00 4509.00 4510.00 4514.00 4518.00 4519.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb Perforations Change Over Sub		1.00 25.00 1.00 4.00 4.00 1.00 11.00	8646	Below	4484.00 4509.00 4510.00 4514.00 4518.00 4519.00 4530.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb Perforations Change Over Sub Recorder	2	1.00 25.00 1.00 4.00 1.00 11.00 1.00	8646 8646	Below Below	4484.00 4509.00 4510.00 4514.00 4518.00 4519.00 4530.00 4531.00	514.00	Tool Interva
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb Perforations Change Over Sub Recorder Drill Pipe	2	1.00 25.00 1.00 4.00 1.00 11.00 1.00 0.00			4484.00 4509.00 4510.00 4514.00 4518.00 4519.00 4530.00 4531.00	514.00	Tool Interval
Change Over Sub Perforations	2	1.00 25.00 1.00 4.00 1.00 11.00 1.00 0.00 412.00			4484.00 4509.00 4510.00 4514.00 4518.00 4519.00 4530.00 4531.00 4531.00 4943.00	514.00	Tool Interval
Change Over Sub Perforations Blank Off Sub Packer Packer Stubb Perforations Change Over Sub Recorder Drill Pipe Change Over Sub	2	1.00 25.00 1.00 4.00 1.00 11.00 1.00 0.00 412.00 1.00			4484.00 4509.00 4510.00 4514.00 4518.00 4519.00 4530.00 4531.00 4531.00 4943.00		Tool Interval

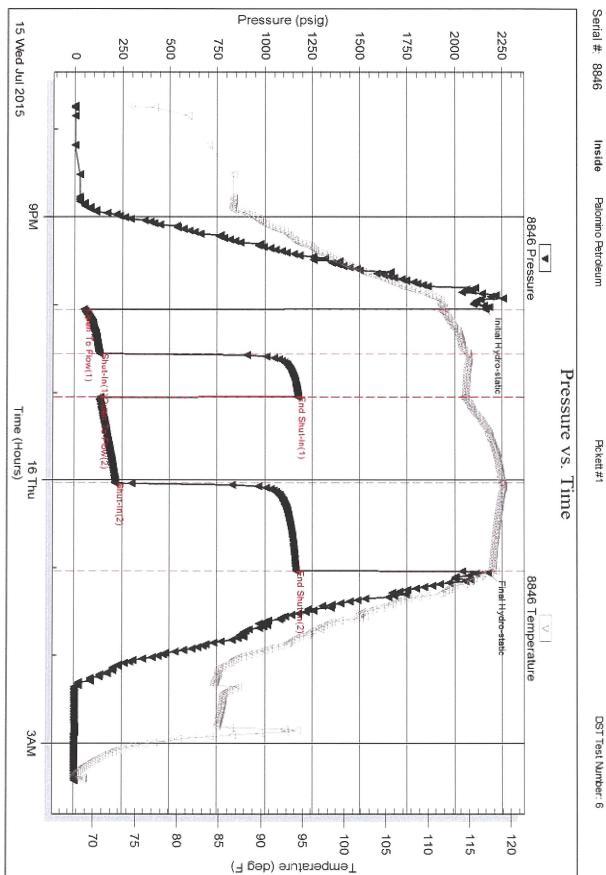
Trilobite Testing, Inc

Printed: 2015.07.16 @ 09:33:13

	BITE	DRI	LL STEM TEST	REPORT	-	I	FLUID SUMMAR
		Palomin	io Petroleum		3-20s-34w	Scott,KS	
ES I ES	TING , INC		E84th St		Pickett #1		
		New tor	n KS 67114		Job Ticket: 6	1442	DST#:6
NOV .		ATTN:	Andrew Stenzel		Test Start: 2	015.07.15 @ 19	9:44:15
ud and Cushion In	formation						
ud Type: Gel Chem			Cushion Type:			Oil API:	0 deg API
-	0 lb/gal		Cushion Length:			Water Salinity:	19000 ppm
scosity: 51.00 /ater Loss: 9.57	0 sec/qt 7 in³		Cushion Volume: Gas Cushion Type:		bbl		
	0 ohm.m		Gas Cushion Pressu	ire:	psig		
alinity: 4800.00					peig		
	D inches						
ecovery Informatio	on						
	Lend	th	Recovery Table Description		Volume	1	
	Lengt ft	u I			bbl		
		120.00	mcw 40%m 60%w		0.590		
		258.00	mud 100%m		3.619	1	
Т	Fotal Length:	378.	.00 ft Total Volume:	4.209 bbl			
	Num Fluid Samp		Num Gas Bombs:	. 0	Serial #:		
	_aboratory Nam		Laboratory Locat	tion:			
F	Recovery Comn	nents:RV	V= .43@ 67.2 = 19,000 ppm				
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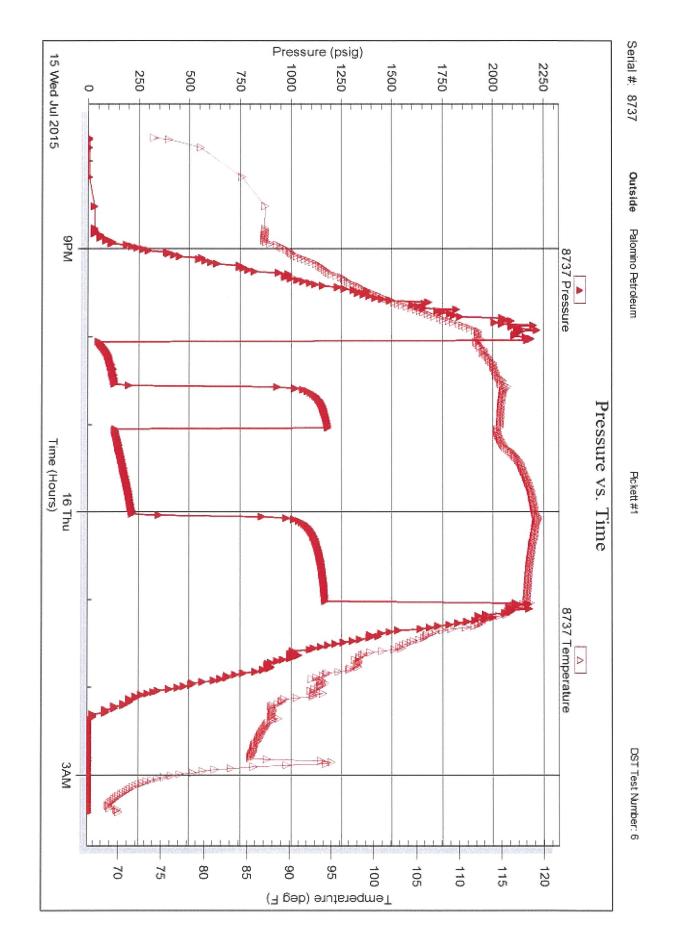
Ref. No: 61442

Trilobite Testing, Inc



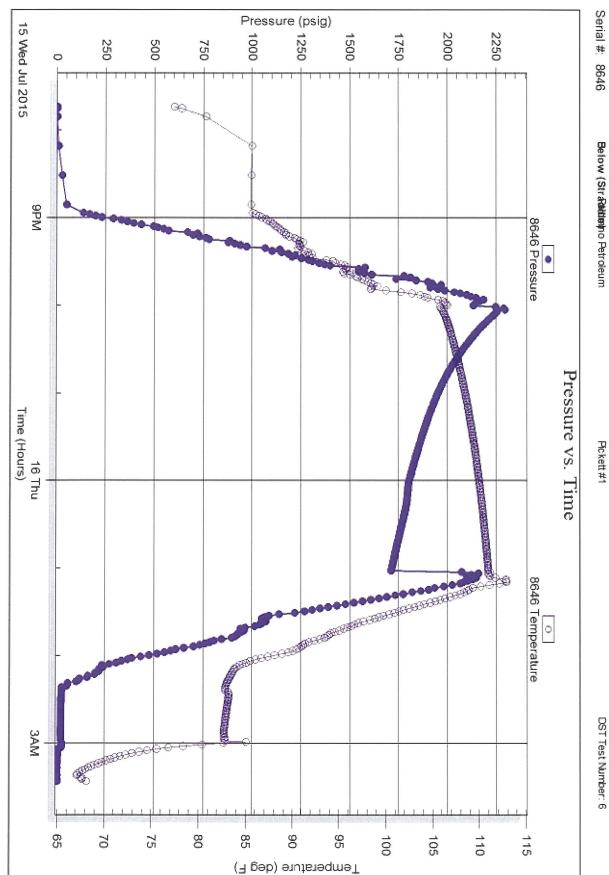
Ref. No: 61442

Trilobite Testing, Inc



Ref. No: 61442

Trilobite Testing, Inc



RILOBITE			Te	est Ticket	
4:10 ESTING INC. 1515 Commerce Parkway			N	o. 61437	
Well Name & No. <u>Pickett #1</u> Company <u>Palomino Petrolev</u> Address <u>4924 SE BUTS</u> Co. Rep / Geo. <u>MAdreu</u>) StEMZE1	Newton KS (02/14 Rig_1V4	3034 J10		GL
Location: Sec. <u>3</u> Twp. <u>205</u>	.1 .	50	++	State _K	
Interval Tested <u>4173 - 4239</u>	Zone Tested $H +$	~			10000000000000000000000000000000000000
Anchor Length 66	_ Drill Pipe Run	~ ~	237		
Top Packer Depth <u>4/16 8</u>		20		Vis <u>53</u>	and a second
Bottom Packer Depth <u>4/123</u>	Wt. Pipe Run			WL 2.6	ELCH'S
Total Depth	Chlorides 2100		_ppm System	LCM	1040
Blow Description <u>Friday</u>	o 71/2" Blow	0. 			y Alifa di Yala baha da aya anti da an an ini da da an a ana ana an ana ana ana an
FF: BOB in	42 Min				** Yest: With the device of the second se
	n Blow			net esta en el companya en en en el companya en en el companya en en el companya en el companya en el companya	unnamen ann agus u const-6000m thàiteann an angus a' chirige.
Rec 10. The Free Oil		%gas	100 %	oil %water	%mud
Rec 62 @ Feet of MCO		%gas	80 %	pil %water,	20 %mud
Rec. GD GD Feet of		%gas	%(oil %water	%mud
Rec 600 120 Feet of 0C m		%gas	5 %	oil %water	95 %mud
Rec Feet of		%gas	%	oil %water	%mud
Rec Total 192 BHT 120	Gravity 31 API R	W I		°F Chlorides _	ppm
(A) Initial Hydrostatic 1970	Test ?//	'50.°		Dn Location $\frac{22}{2}$	-
(B) First Initial Flow	Jars	250.		Started 23:2	8
(C) First Final Flow87	G Safety Joint	75,6		Dpen 01, 95	
(D) Initial Shut-In964	Circ Sub	NC		Pulled 04:49	
(E) Second Initial Flow/IC	Hourly Standby		-	Dut <u>06:90</u> pmments	
(F) Second Final Flow <u>122</u>	Mileage 44RT=	R44		липента	
(G) Final Shut-In <u><u><u></u><u><u></u><u><u></u><u></u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></u></u>	Sampler			lan ben fin belakat inti mit be nabenannannan berin inti inti internationalisten inti inti internationalisten et fin	···· ····
(H) Final Hydrostatic 1978	G Straddle		0	Ruined Shale Packer	
	Shale Packer		0	Ruined Packer	
Initial Open	Extra Packer	an ee aan de ander de skonne ee een	O	Extra Copies	
Initial Shut-In3O	Extra Recorder		Su	ub Total 0	,
Final Flow 6 O	Day Standby	a a 13 mai individi kinda di a jama a a a fa a farita	To	otal 1519	
Final Shut-In	Accessibility	~ ~~ ~	M	P/DST Disc't	Lue (Province
Approved By And And	Sub Total //.5/ Our Rep	resentativ	- e_1/j	te Bokate	

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RILOBITE ESTING INC.		Test Ticket
4/10 LOTING INC.	 Hays, Kansas 67601 	NO. 61438
Well Name & No. <u>Pickett #1</u> Company <u>Palomino Petroteu</u> Address <u>4924</u> SE 8414 St N	mElevation30	 Э <u>у</u> кв <u>3</u> 029 gl
Co. Rep / Geo. Andrew Stenzel Location: Sec. <u>3</u> Twp. 205	Rig WW 18	
Interval Tested <u>4237 - 4278</u> Anchor Length <u>41</u> Top Packer Depth <u>4232</u>	Zone Tested 5 Drill Pipe Run $4/09$ Drill Collars Run 20	Mud Wt. <u>9,2</u> Vis <u>44</u>
	26 Min	
FS! No Leturn Rec Al6 Feet of MUD Rec I20 Feet of WCM Rec Feet of Feet of Feet of	%gas %gas	%oil %water 100 %mud %oil 10 %water 90 %mud %oil %water %mud
Rec Feet of Rec Feet of Rec Total336	Gravity API RW:36 @	%oil %water %mud %oil %water %mud 99.6 °F Chlorides 140000 ppm
(A) Initial Hydrostatic 1982 (B) First Initial Flow 24 (C) First Final Flow 114 (D) Initial Shut-In 1095 (E) Second Initial Flow 118 (F) Second Final Flow 172	□ Test # 1/50.00 □ Jars # 250.00 □ Safety Joint 75.09 □ Circ Sub // C □ Hourly Standby □ Mileage _44_RT # 44.00	T-On Location <u>/3:05</u> T-Started <u>/4:06</u> T-Open <u>/6:02</u> T-Pulled <u>/6:02</u> T-Out <u>/9:98</u> Comments
(G) Final Shut-In	Sampler Straddle Shale Packer	Ruined Shale Packer Ruined Packer
Initial Shut-In <u>30</u> Final Flow <u>30</u> Final Shut-In <u>30</u>	Extra Packer Extra Recorder Day Standby Accessibility Sub Total K_54.02	Extra Copies Sub Total 0 Total 1519 MP/DST Disc't
Approved By	Our Representative	lite Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RILOBITE ESTING INC.		Test NO.	t Ticket 61439
4/10 1515 Commerce Parkway	Hays, Kansas 67601		01407
Well Name & No. Pickett #1 Company Palomino Petrola		t No. <u>3</u> vation <u>3034</u>	 кв 3029 gl
	Nowton KS 67,	<i>P</i>	 A substances Approprint product and approximation approximatio
Co. Rep/Geo. Andrew Stenzel	•	WW10	
Location: Sec. 3 Twp. 205		•	State KS
	× 4		
Interval Tested 4 277 - 4342		1	Q 1
Anchor Length <u>65</u>	Drill Pipe Run <u>414</u>		Mud Wt. <u>9:2</u>
Top Packer Depth <u>4272</u>	Drill Collars Run		Vis7
Bottom Packer Depth <u>4277</u>	Wt. Pipe Run		WL <u><i>B</i></u> , <u>/</u>
Total Depth 4342	- Chlorides 3600	ppm System	LCM
Blow Description <u>TF: BOB in</u>	11 Min		
IS: No fetur	·· ~ ~ ^ /		n i sin maan amaa amaa ahaa ahaa ahaa ahaa aha
FF: BOB IN	14 Min		
FS: NO Return Rec 186 Feet of MUD			16
		%gas %oil	%water / CO %mud
Rec 186 Feet of WCM		%gas %oil	/ O %water / O %mud
Rec 120 Feet of MCLU		%gas %oil	80 %water 20 %mud
Rec Feet of Base Factor		%gas %oil	%water %mud
Rec Feet of Rec Total		%gas %oil	%water %mud F Chlorides $2/600$ ppm
(A) Initial Hydrostatic 2005	Gravity API HW	-()	and the second s
(B) First Initial Flow	☐ Test 115		location <u>64.15</u> led 64.51
(C) First Final Flow / 9 (c)			n06:58
(D) Initial Shut-In (134		1	ed <u>n6!58</u>
(E) Second Initial Flow / 87			10:44
(F) Second Final Flow	Hourly Standby Mileage $\underline{44kT}$		ients
(G) Final Shut-In//3/		an observations are set	
(H) Final Hydrostatic 2007	Sampler		and when when the second s
	Straddle		ined Shale Packer
Initial Open30	Shale Packer		ined Packer
Initial Shut-In30	Extra Packer		tra Copies
Final Flow 3 0	Extra Recorder		otal 0
Final Shut-In 30	Day Standby	Total	1519
	C Accessibility	00/MP/D	ST Disc't
Approved Du	Sub Iotal	. M.L	Ralit

AVID RILOBITE RILOBITE ESTING INC 1515 Commerce Parkwa				ficket S1440	
Well Name & No. Pickett #1 Company Palomi NO Petroleur Address 4924 SE 8941 ST		Test No. 4 Elevation 303	*	раte <u>7-13-19</u> КВ <u>30</u> 29	GL
Co. Rep / Geo. <u>Andrew</u> <u>Sterize</u> Location: Sec. <u>3</u> Twp. <u>305</u>	*	_ Rig WW / Co. SCOTT		State KS	e()-bely errorent and an and a first of the second s
Interval Tested <u>4416-4527</u> Anchor Length <u>111</u> Top Packer Depth <u>4411</u> Bottom Packer Depth <u>4414</u> Total Depth <u>4527</u> Blow Description $\overrightarrow{F} \overrightarrow{B} \overrightarrow{w} \overrightarrow{H} + \overrightarrow{w}$ $\overrightarrow{F} \overrightarrow{N} \overrightarrow{w} \overrightarrow{R} \overrightarrow{e} \overrightarrow{v}$	Zone Tested Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides51 C 91 Blow	1 .	Mu Vis	d Wt. <u>8,8</u> <u>44</u> <u>5</u> M_8	
FF: No Blow - FS: No Return	- Flushed To Blow	bol – Wea	IL Sulfa	ice Blow die	din (Min
Rec 374 Feet of <u>MJD</u>		%gas	%oil	%water /Q	🗢 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of Rec Total?? 94 BHT5	Gravity AF	%gas PI RW@	%oil F CI	%water	%mud
(A) Initial Hydrostatic 2114 (B) First Initial Flow 58 (C) First Final Flow 157 (D) Initial Shut-In $1/67$ (E) Second Initial Flow 597 (F) Second Final Flow 1181 (G) Final Shut-In $1/92$ (H) Final Hydrostatic 2120 Initial Open 30 Initial Shut-In 30 Final Flow 30	Test Jars Safety Joint Circ Sub Hourly Standby Mileage Mileage Y Sampler Straddle Shale Packer Extra Packer Extra Recorder	NC- 1ty 4,09	T-Started _ T-Open	06.'70 07:57 Shale Packer Packer opies 0	
Final Shut-In 30	Day Standby Accessibility Sub Total	519.00/-	Total <u>15</u> MP/DST E	il9 Disc'i	

Approved By ______ Our Representative ______ Our Representative ______ Our Representative _______ Our Representative ______ Our Representative _______ Our Representative ______ Our Representative ______

RILOBITE		Test Ticket
4/10 ESTING INC. 1515 Commerce Parkway	• Hays, Kansas 67601	NO. 61441
Well Name & No. <u>Pickett #1</u> Company <u>Palornino</u> <u>Petroleum</u> Address <u>4924</u> <u>SE</u> <u>844</u> <u>St</u> Co. Rep / Geo. <u>Andrew</u> <u>Stenzel</u> Location: Sec. <u>3</u> <u>Twp.</u> <u>205</u> Interval Tested <u>4522-4610</u> Anchor Length <u>88</u> Top Packer Depth <u>4517</u> Bottom Packer Depth <u>4517</u> Bottom Packer Depth <u>4517</u> Bottom Packer Depth <u>4610</u> Total Depth <u>IF: Built to</u> <u>F5: No Retur</u> FF: No Blow	1 Elevation 3 <u>Newton KS</u> 6711 Rig Ww Rge. <u>34</u> Co. <u>Scorr</u> Zone Tested <u>Pawnee</u> Drill Pipe Run <u>1395</u> Drill Collars Run <u>120</u> Wt. Pipe Run <u>10</u> Chlorides <u>3850</u> pp <u>Weak Surface Bloc</u> n Blow	9 5 JO 5 State KS 5 J. Scott Mud WI. <u>8</u> , 7 Vis <u>9</u> Vis <u>9</u> WL 10.0
FS: No Return Rec Feet of MUD Rec Feet of Feet of Rec Feet of Feet of Rec Feet of Feet of	m Blow %gas %gas %gas %gas %gas	Ruined Shale Packer
Initial Open 30 Initial Shut-In 30 Final Flow 30 Final Shut-In 30	 Extra Packer Extra Recorder Day Standby Accessibility Sub Total #1519.00/ 	Extra Copies

	RILOBITE ESTING INC. 15 Commerce Parkway • Hays, Kan	isas 67601	Test NO.	Ticket 61442	
Co. Rep / Geo. And Location: Sec. 3 Interval Tested 4447 Anchor Length 71 Top Packer Depth 4442	NO Petroleum SE 844 ST New ew Stenzel Twp. 205 Rge. 30 -4518 Zone Te Drill Pipe Drill Coll	Rig_WW LW_Co. <u>Scort</u> sted_ <u>Micmaton</u> a Run <u>4320</u> lars Run_120	34 { 		GL
Bottom Packer Depth <u>496</u> Total Depth <u>4966</u> Blow Description <u>F</u>	S Chloride 91/2" Blow No Return Bloc	e Run es ppm Sy 	ystem LC	см 4	
Rec 120 Feet o	$\frac{N_{O}}{M_{O}} \xrightarrow{Return} Blow$ $\frac{M_{O}}{M_{O}} \xrightarrow{I} M_{O} \xrightarrow{I} \xrightarrow{I} \xrightarrow{I} \xrightarrow{I} \xrightarrow{I} \xrightarrow{I} \xrightarrow{I} I$	%gas %gas <	T-On Loc T-Started T-Open T-Pulled T-Out Commen	60%water $4%water%waterChlorides 1900ation 18:419:4423:0201:02$	5
Initial Open <u>30</u> Initial Shut-In <u>30</u> Final Flow <u>60</u> Final Shut-In <u>60</u>	Q Extra P Extra R Day Sta	acker 100 $\frac{1}{2}$ CD, $\frac{69}{2}$ lecorder andby ibility 2219	🗆 Extra	a Copies al0 2219	