Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1267922

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.xxxx) (e.gxxx.xxxx)
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:
☐ OG ☐ GSW ☐ Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	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 Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
_	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date 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	1267922
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 Sho	eets)	Yes No		-	on (Top), Depth and		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD Ne				
		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 / SQL	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

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

(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				Acid, Fracture, Shot, Ce (Amount and Kind	ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Siz	e: S	Set At:	Pack	er At:	Liner F		No	
Date of First, Resumed	Producti	on, SWD or ENHR.		Producing Method:	nping	Gas Lift	Other <i>(Explain)</i>		
Estimated Production Per 24 Hours		Oil Bbls.		Gas Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF G	iAS:	!	METHOD	OF COMPL	ETION:		PRODUCTION INTI	ERVAL:
Vented Solo (If vented, Sul		Jsed on Lease -18.)		Dpen Hole Perf.	Duall (Submit	,	Commingled (Submit ACO-4)		

No

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

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Pawnee 1
Doc ID	1267922

All Electric Logs Run

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Pawnee 1
Doc ID	1267922

Tops

Name	Тор	Datum
Lansing	1933	(-525)
Stark Sh.	2239	(-831)
ВКС	2294	(-886)
Miss.	2488	(-1080)
Kinderhook	2640	(-1232)
Hunton	2810	(-1402)
Arbuckle	2772	(-1564)
LTD	3020	(-1612)

Consolidated On Well Services, LLC Invoice Invoice Date: 09/30/15 PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET	Consolidated Oil De P.O.E	MIT TO I Well Services,LLC pt:970 3ox 4346 X 77210-4346 ========== Terms: Net 30	Invoice#	620/431-921	MAIN OFFICE P.O.Box884 Chanute,KS 66720 10,1-800/467-8676 Fax 620/431-0012 5847 1
4924 SE 641H STREET NEWTON KS 67114-8827 USA		Pawn	ee #1		
Part No Description		Quantity	Unit Price	Discount(%)	Total
CE0451 Cement Pump C	harge 1501' - 3000'	1.000	1,900.0000	45.000	1,045.00
CE0002 Equipment Milea Equipment	ge Charge - Heavy	30.000	9.6000	45.000	158.40
CE0711 Minimum Cemer	t Delivery Charge	1.000	660.0000	45.000	363.00
CC5829 Lite-Weight Blen	d V (60:40:4)	125.000	16.0000	45.000	1,100.00
CC5965 Bentonite		450.000	0.3000	45.000	74.25
CC6075 Celloflake		50.000	2.0000	45.000	55.00
				Subtotal	5,083.00
			Discounte	ed Amount	2,287.35
			SubTotal After	r Discount	2,795.65
					paid after 10/30/15 ====================================
				Tax:	98.34
				Total:	2,893.99

EUREKA, KS 620/583-7554 PONCA CITY, OK 580/762-2303

, OK OAKLE

OAKLEY, KS 785/672-8822

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PO Box 884, Chanut	e KS 66720 F	IELD TICKET & TR	EATMENT REP	ORT		
620-431-9210 or 80		ĆEM		IN	04490	747_
DATE CUS	TOMER# W	ELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-19-15 6-	285 PANNA	ine # 1	10	215	36	
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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

Invoice Date: 09/24/15	Consolidated O De P.O.	MIT TO il Well Services,LLC ept:970 Box 4346 FX 77210-4346 Terms: Net 30		620/431-921	MAIN OFFICE P.O.Box884 Chanute,KS 66720 0,1-800/467-8676 Fax 620/431-0012 791
PALOMINO PETROLEUM, INC. 4924 SE 84TH STREET NEWTON KS 67114-8827 USA		PAWI	NEE #1		
Part No Description		Quantity	Unit Price	Discount(%)	Total
CE0450 Cement Pump Cha	arge 0 - 1500'	1.000	1,500.0000	40.000	900.00
CE0002 Equipment Mileage Equipment	e Charge - Heavy	30.000	7.1500	40.000	128.70
CE0711 Minimum Cement	Delivery Charge	1.000	660.0000	40.000	396.00
CC5871 Surface Blend II, 2	% Gel/3% CaCl	150.000	23.0000	40.000	2,070.00
CC6075 Celloflake		75.000	2.0000	40.000	90.00
				Subtotal	5,974.50
			Discounte	ed Amount	2,389.80
			SubTotal After	r Discount	3,584.70
			Amount [Due 6,262.50 lf	paid after 10/24/15
	=================		===============	.=====================================	
				Tax:	172.80
			=======================================	Total: =========	3,757.50 ==========

OAKLEY, KS 785/672-8822

OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

CUSHING, OK 918/225-2650

BARTLESVILLE, OK 918/338-0808

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PO Box 884	nanute, KS 66720	FIE	LD TICKE	F & TREAT	MENT REP	ORT		
	or 800-467-8676			CEMEN	Г			لاحح
DATE	CUSTOMER #	WELL	NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
9-23-15	6285	Pawe	vee ╈	·L	10	31	3	marion
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Newt	1	Ks	67114	W+5	• /•			
JOB TYPE_S			1214	HOLE DEPTH	218	CASING SIZE & W	FIGHT 245	= 85kg
JOB TYPE	$\frac{0}{2}$	OLE SIZE		-		CASING SIZE & M	OTHER	
CASING DEPTH		RILL PIPE	25.7	TUBING WATER gai/sl	6.5	CEMENT LEFT in		<u>, </u>
DISPLACEMENT		SPLACEMEN		MIX PSI		RATE	0,10,110	
REMARKS: 5		11	012 W-		REEL	p and ci	reviate	
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AUTHORIZTION	m) an	火 (と)	fse	TITLE	och pus	hor	DATE	
	that the paymen						orm or in the c	ustomer's
account recor	ds, at our office,	and conditi	ons of servic	e on the bac	k of this form	are in effect for a	services identi	fied on this form



DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum Inc

4924 SE 84th St Newton KS 67114+8827

ATTN: Andrew Stenzel

Pawnee #1

10-21S-3E Marion,KS

 Start Date:
 2015.09.27 @ 17:18:00

 End Date:
 2015.09.27 @ 22:35:01

 Job Ticket #:
 62951
 DST #:
 1

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

RILOBITE	Palomino Petroleum Inc		10-	-21S-3E	Mario	n,KS	
ESTING , INC	4924 SE 84th St		Ра	wnee #	1		
	New ton KS 67114+8827		Job	Ticket: 62	2951	DS	T#: 1
	ATTN: Andrew Stenzel		Tes	st Start: 20	015.09.2	7 @ 17:18:	00
GENERAL INFORMATION:							
Formation: Hunton Deviated: No Whipstock: Time Tool Opened: 18:54:31 Time Test Ended: 22:35:01	ft (KB)		Tes	ster:	Convent Jared So 55		n Hole (Initial)
nterval: 2595.00 ft (KB) To 28' Total Depth: 2810.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	(D)		Ref	erence Ele	evations: to GR/CF	1403	8.00 ft (KB) 3.00 ft (CF) 5.00 ft
Serial #: 6999 Outside Press@RunDepth: 120.01 psig (@ 2790.00 ft (KB)		Capacity	······		800	0.00 psig
Start Date: 2015.09.27 Start Time: 17:18:01	End Date: End Time:	2015.09.27 22:35:01	Last Cali Time On Time Off	ib.: Btm: 2		2015.09 27 @ 18:54 27 @ 21:06	9.27 4:01
FSIP-30 Minutes-I	/ery weak surge did not build No blow back	o die off					
FFP-30 Minutes-∨	ery weak surge did not build						
FFP-30 Minutes-∨ FSIP-30 Minutes-≀	/ery weak surge did not build No blow back						
FFP-30 Minutes-∨	/ery weak surge did not build No blow back	Time	Pi	RESSUF Temp	RE SUN		
FFP-30 Minutes-V FSIP-30 Minutes-1 Pressure vs. Th	/ery weak surge did not build No blow back mec	Time (Min.)	Pressure (psig)	Temp (deg F)	Anno	tation	
FFP-30 Minutes-V FSIP-30 Minutes-1 Pressure vs. Th	/ery w eak surge did not build No blow back	Time (Min.) 0	Pressure (psig) 1361.74	Temp (deg F) 106.18	Anno Initial H	tation lydro-static	
FFP-30 Minutes-V FSIP-30 Minutes-1 Pressure vs. The COMPRESSOR	Very w eak surge did not build No blow back	Time (Min.)	Pressure (psig)	Temp (deg F) 106.18 105.94	Anno Initial H	tation lydro-static Γο Flow (1)	
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FFP-30 Minutes-V FSIP-30 Minutes-1 Pressure vs. The COMPRESSIVE CO	Very w eak surge did not build No blow back	Time (Min.) 0 1 31 61 62	Pressure (psig) 1361.74 136.97 121.12 165.54 131.00	Temp (deg F) 106.18 105.94 106.03 106.16 106.15	Anno Initial H Open T Shut-In End Sh Open T	tation ydro-static To Flow (1) (1) uut-In(1) To Flow (2)	
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FFP-30 Minutes-V FSIP-30 Minutes-1 Pressure vs. The COMPRESSIVE CO	Very weak surge did not build No blow back	Time (Min.) 0 1 31 61 62 92	Pressure (psig) 1361.74 136.97 121.12 165.54 131.00	Temp (deg F) 106.18 105.94 106.03 106.16 106.15 106.25	Anno Initial H Open T Shut-In End Sh Open T Shut-In End Sh	tation Vydro-static Fo Flow (1) (1) (1) Fo Flow (2) (2)	
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FFP-30 Minutes-V FSIP-30 Minutes-T	Very weak surge did not build No blow back	Time (Min.) 0 1 31 61 62 92 132	Pressure (psig) 1361.74 136.97 121.12 165.54 131.00 120.01 176.79	Temp (deg F) 106.18 105.94 106.03 106.16 106.15 106.25 106.38 106.63	Anno Initial H Open T Shut-In End Sh Open T Shut-In End Sh Final H Shut-In Shu	tation ydro-static To Flow (1) i(1) tut-ln(1) To Flow (2) i(2) ydro-static s	

Trilobite Testing, Inc

Printed: 2015.09.30 @ 08:30:57

	Palomino Petroleum Inc		10-215-3	BE Marion	KS
ESTING , INC	4924 SE 84th St		Pawnee	#1	
	New ton KS 67114+8827		Job Ticket		DST#: 1
	ATTN: Andrew Stenzel			2015.09.27	
GENERAL INFORMATION:					
Formation: Hunton Deviated: No Whipstock: Fime Tool Opened: 18:54:31 Fime Test Ended: 22:35:01	ft (KB)		Test Type Tester: Unit No:	Convention Jared Sch	nal Bottom Hole (Initial) eck
nterval: 2595.00 ft (KB) To 28 Total Depth: 2810.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)			Elevations:	1408.00 ft (KB) 1403.00 ft (CF) 5.00 ft
Serial #: 6666 Inside					
Press@RunDepth: psig (Start Date: 2015.09.27	End Date:	2015.09.27	Capacity: Last Calib.:		8000.00 psig 2015.09.27
Start Time: 17:28:01	End Time:	22:35:11	Time On Btm: Time Off Btm:		
		Temperature			
	75				
	934 X5N			Gas Rates	
20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					sure (psig) Gas Rate (Mct/d

RILOE	BITE		o Petroleum			10-21S-3E Marion,	TOOL DIAGRA
EST	TING , INC	400 4 01					
	nie pare		E84th St KS 67114+	8827		Pawnee #1	
				0021		Job Ticket: 62951	DST#:1
		ATTN:	Andrew Ste	enzel		Test Start: 2015.09.27 (@ 17:18:00
Tool Information				MAN		···	
Drill Pipe: Length:	2454.00 ft	Diameter:	3.80 ir	nches Volume:	34.42 bbl	Tool Weight:	1000.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 ir	nches Volume:	0.00 bbl	Weight set on Packer	r: 20000.00 lb
Drill Collar: Length:	120.00 ft	Diameter:	2.25 ir	ches Volume:			40000.00 lb
Drill Pipe Above KB:	7.00 ft			Total Volume:	35.01 bbl		0.00 ft
Depth to Top Packer:	2595.00 ft					String Weight: Initial	37000.00 lb
Depth to Bottom Packer:	ft					Final	37000.00 lb
Interval between Packers:	215.00 ft						
Tool Length:	243.00 ft						
Number of Packers:	2	Diameter:	6.75 ir	nches			
Tool Comments:							
Shut In Tool		5.00			2572.00		
-lydraulic tool		5.00			2577.00		
Jars		6.00			2583.00		
Safety Joint		2.00			2585.00		
Packer		5.00			2590.00	28.00	Bottom Of Top Packer
Packer		5.00			2595.00		
Anchor		5.00			2600.00		
Change Over Sub		0.75			2600.75		
Drill Pipe	1	86.50			2787.25		
		0.75			2788.00		
Change Over Sub		1.00	6666	Inside	2789.00		
Change Over Sub Recorder							
-		1.00	6999	Outside	2790.00		
Recorder		1.00 16.00	6999	Outside	2790.00 2806.00		
Recorder Recorder		1.00	6999	Outside		215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor		1.00 16.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor Bullnose		1.00 16.00 4.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor Bullnose		1.00 16.00 4.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor Bullnose		1.00 16.00 4.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor Bullnose		1.00 16.00 4.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor
Recorder Recorder Anchor Bullnose		1.00 16.00 4.00	6999	Outside	2806.00	215.00 Bo	ottom Packers & Anchor

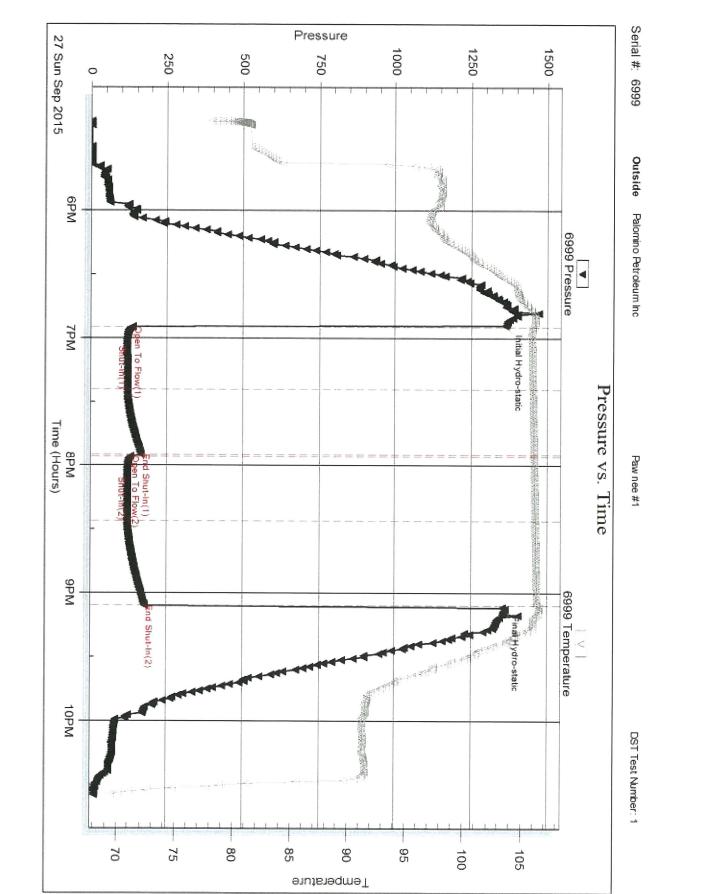
and a second sec		nino Petroleum Inc	10-215-3	E Marion,KS	
ESTI		SE 84th St	Pawnee		
	New	ton KS 67114+8827	Job Ticket:	62951 DS	T#: 1
	ATT	N: Andrew Stenzel	Test Start:	2015.09.27 @ 17:18:0	00
lud and Cushion Info	rmation				
ud Type: Gel Chem ud Weight: 10.00 lb iscosity: 44.00 so /ater Loss: 8.78 in esistivity: ol alinity: 1250.00 p Iter Cake: 1.00 in	ec/qt ³ hm.m pm	Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm
ecovery Information				1011 - WORKDOOL	
r		Recovery Table			
	Length ft	Description	Volume bbl		
-	10.00	mud	0.0	49	
Tota	al Length:	10.00 ft Total Volume:	0.049 bbl		

Printed: 2015.09.30 @ 08:30:58

Ref. No: 62951

Trilobite Testing, Inc

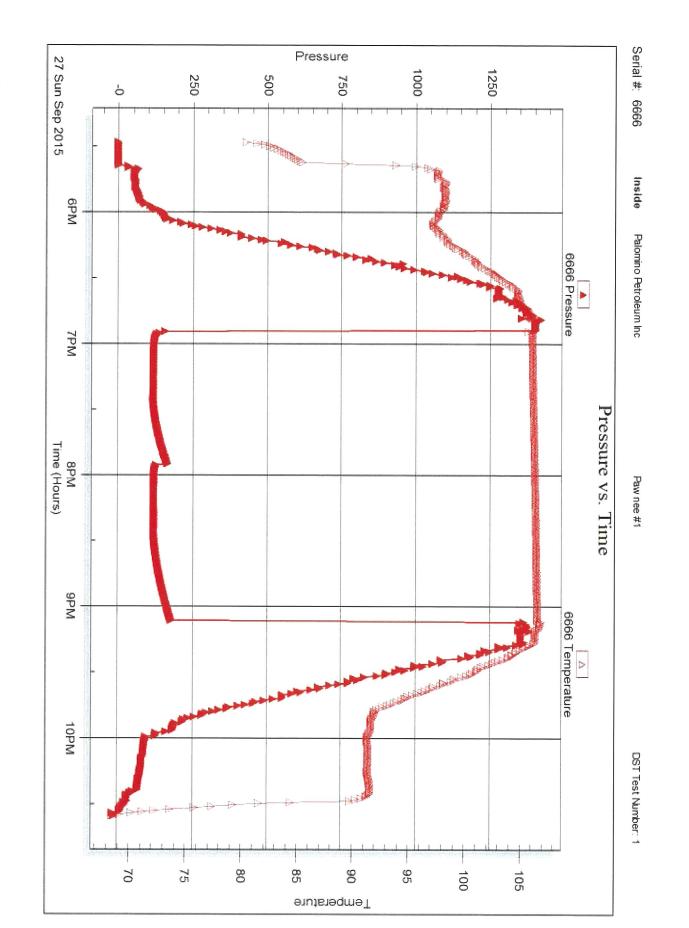




Printed: 2015.09.30 @ 08:30:58

Ref. No: 62951

Trilobite Testing, Inc





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum Inc

4924 SE 84th St Newton KS 67114+8827

ATTN: Andrew Stenzel

Pawnee #1

10-21S-3E Marion,KS

 Start Date:
 2015.09.28 @ 03:23:00

 End Date:
 2015.09.28 @ 08:18:16

 Job Ticket #:
 62952
 DST #: 2

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

Printed: 2015.09.30 @ 08:21:16

RILOBITE	Palomino Petroleum Inc		10-21	S-3E M	arion,KS	
ESTING , INC	4924 SE 84th St		Pawr	nee #1		
	New ton KS 67114+8827		Job Tic	ket: 6295	2 DST	#:2
	ATTN: Andrew Stenzel		Test S	tart: 2015	5.09.28 @ 03:23:00	D
GENERAL INFORMATION:					************	
Formation: Hunton Deviated: No Whipstock: Time Tool Opened: 04:58:31 Time Test Ended: 08:18:16	ft (KB)		Test Ty Tester Unit No	Jar	nventional Bottom ed Scheck	Hole (Initial)
Interval: 2595.00 ft (KB) To 28 Total Depth: 2815.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refere	nce Eleva KB to C	1403.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 6999 Outside						
Press@RunDepth: 165.81 psig (Capacity:		8000.	00 psig
Start Date: 2015.09.28 Start Time: 03:23:01	End Date: End Time:	2015.09.28 08:18:16	Last Calib.: Time On Btn Time Off Btr		.2015.09 :5.09.28 @ 04:57 :5.09.28 @ 07:02	46
		(Min.) 0 1 33	1374.89 1 140.56 1 146.75 1	00.09 O		
		33 62			hut-ln(1) nd Shut-ln(1)	
		63 90		1	pen To Flow (2)	
		90 124		01.62 SI 02.92 Er	nut-in(2) nd Shut-in(2)	
		125	1329.05 1	02.11 Fi	nal Hydro-static	
	7/M 8/M					
о 1 Мил Spp 2015 1 Мил Spp 2015 1 Мил Spp 2015 1 Мил Spp 2015	7/44 8/44				Potoo	
	Volume (bbl)			Gas F		Gas Rate (Mcf/c
Bilden Sep 2015						Gas Rate (Mct/d
Bilden Sep 2015 Sea Sea Own Three (Haun) Recovery Length (ft) Description	Volume (bbl)					Gas Rate (Mcf/d
Bilden Sep 2015 Sea Sea Own Three (Haun) Recovery Length (ft) Description	Volume (bbl)					Gas Rate (Mcf/c
B Mars Sep 2015 VM Sep 2015 VM Three (Haun) Recovery Length (ft) Description	Volume (bbl)					Gas Rate (Mct/r

RILOBITE	Palomino Petroleum Inc		10-21S-3	E Marion	ı,KS	
ESTING , INC	4924 SE 84th St		Pawnee			
	New ton KS 67114+8827		Job Ticket:		DST#	#: 2
	ATTN: Andrew Stenzel		Test Start:	2015.09.28		
GENERAL INFORMATION:	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -					
Formation: Hunton Deviated: No Whipstock: Time Tool Opened: 04:58:31 Time Test Ended: 08:18:16	ft (KB)		Test Type: Tester: Unit No:	Conventio Jared Sch 55		Hole (Initial)
nterval: 2595.00 ft (KB) To 28 Fotal Depth: 2815.00 ft (KB) (TV 38 Hole Diameter: 7.88 inchesHole 38	(D)			Elevations:	1403.0	00 ft(KB) 00 ft(CF) 00 ft
· · · · · · · · · · · · · · · · · · ·						
Serial #: 6666 Inside Press@RunDepth: psig (Start Date: 2015.09.28 Start Time: 03:33:01	 2789.00 ft (KB) End Date: End Time: 	2015.09.28 08:18:31	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.0 2015.09.2	00 psig 28
ISIP-30 Minutes-N FFP- 30 Minutes- FSIP-30 Minutes-I	Very weak surface blow built 3	/4"				
FFP- 30 Minutes-	Very weak surface blow built 3 No blow back					
FFP- 30 Minutes- FSIP-30 Minutes-1 Pressure vs. Tr	Very weak surface blow built 3 No blow back	Time (Min.)	PRESS Pressure Tem (psig) (deg	Annota		
FFP- 30 Minutes- FSIP-30 Minutes- Pressure vs. Tr	Very weak surface blow built 3 No blow back	5 Time (Min.)	Pressure Tem (psig) (deg	Annota		
FFP- 30 Minutes- FSIP-30 Minutes- Pressure vs. Tr movement for the second secon	Very weak surface blow built 3 No blow back	5 Time (Min.)	Pressure Tem (psig) (deg	Annota F) Bas Rates	ation	Gas Rate (Mcf/d)
FFP- 30 Minutes- FSIP-30 Minutes- Pressure vs. Tr Compressure solution for the solution for	Very weak surface blow built 3 No blow back	5 Time (Min.)	Pressure Tem (psig) (deg	Annota F) Bas Rates	ation	Gas Rate (Mcf/d
FFP- 30 Minutes- FSIP-30 Minutes- Pressure vs. Tr compression and compression and compression	Very weak surface blow built 3 No blow back	5 Time (Min.)	Pressure Tem (psig) (deg	Annota F) Bas Rates	ation	Gas Rate (Mcf/d
FFP- 30 Minutes- FSIP-30 Minutes- Pressure vs. Tr compression and compression and compression	Very weak surface blow built 3 No blow back	5 Time (Min.)	Pressure Tem (psig) (deg	Annota F) Bas Rates	ation	Gas Rate (Mct/d

Trilobite Testing, Inc

Printed: 2015.09.30 @ 08:21:16

NON TO	ILOBI	TE		LLSIE	MTEST	KEPO	KI	TOOL DIAGRA
	-			o Petroleum	Inc		10-21S-3E Marie	on,KS
	ESTI	VG , INC	4924 SE	E84th St			Pawnee #1	
			New ton	KS 67114+	3827		Job Ticket: 62952	DST#: 2
			ATTN:	Andrew Ste	enzel		Test Start: 2015.09.	28 @ 03:23:00
Tool Information								
Drill Pipe: Le	ength: 2	454.00 ft	Diameter:	3.80 ir	iches Volume:	34.42 bb	I Tool Weight:	1000.00 lb
Heavy Wt. Pipe: Le	ength:	0.00 ft	Diameter:	0.00 ir	iches Volume:	0.00 bb	I Weight set on Pa	cker: 20000.00 lb
Drill Collar: Le	ength:	120.00 ft	Diameter:	2.25 ir	ches Volume:	0.59 bb	I Weight to Pull Loc	ose: 48000.00 lb
Drill Pipe Above KB:		7.00 ft			Total Volume:	35.01 bb	Tool Chased	0.00 ft
Depth to Top Packer:		595.00 ft					String Weight: Ini	
Depth to Bottom Pack		555.00 ft					Fir	nal 37000.00 lb
Interval between Pac		220.00 ft						
Tool Length:		248.00 ft						
Number of Packers:		2	Diameter:	6.75 ir	ches			
Tool Comments:								
Tool Description		1	a 4 ha (64)	Contal Ma	Destition	Danielle (ff)	A	
		Ler	ngth (ft) 5.00	Serial No.	Position	Depth (ft) 2572.00	Accum. Lengths	
Shut In Tool		Ler		Serial No.	Position		Accum. Lengths	
Shut in Tool Hydraulic tool		Ler	5.00	Serial No.	Position	2572.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars		Ler	5.00 5.00	Serial No.	Position	2572.00 2577.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars Safety Joint		Ler	5.00 5.00 6.00	Serial No.	Position	2572.00 2577.00 2583.00	Accum. Lengths	Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer		Ler	5.00 5.00 6.00 2.00	Serial No.	Position	2572.00 2577.00 2583.00 2585.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer		Ler	5.00 5.00 6.00 2.00 5.00	Serial No.	Position	2572.00 2577.00 2583.00 2585.00 2590.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor		Ler	5.00 5.00 6.00 2.00 5.00 5.00	Serial No.	Position	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub			5.00 5.00 6.00 2.00 5.00 5.00 5.00	Serial No.	Position	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe			5.00 5.00 6.00 2.00 5.00 5.00 5.00 0.75	Serial No.	Position	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub			5.00 5.00 6.00 2.00 5.00 5.00 5.00 0.75 186.50	Serial No.	Position	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder			5.00 5.00 6.00 2.00 5.00 5.00 5.00 0.75 186.50 0.75			2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder			5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor			5.00 5.00 6.00 2.00 5.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00		Bottom Of Top Packer
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool L	1	5.00 5.00 6.00 2.00 5.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lu	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Le	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lu	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lo	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lu	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lo	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	
Shut In Tool Hydraulic tool Jars Safety Joint Packer Packer Anchor Change Over Sub Drill Pipe Change Over Sub Recorder Recorder Recorder Anchor Bullnose	al Tool Lu	1	5.00 5.00 6.00 2.00 5.00 5.00 0.75 186.50 0.75 1.00 1.00 21.00 4.00	6666	Inside	2572.00 2577.00 2583.00 2585.00 2590.00 2595.00 2600.00 2600.75 2787.25 2788.00 2789.00 2790.00 2811.00	28.00	

	BITE	alomino Petroleu	mlnc		10-21S-3F	Marion,KS	LUID SU	
EST EST	TING INC	924 SE 84th St						
		ew ton KS 6711	4+8827		Pawnee #		DST#:2	
	A	TTN: Andrew	Stenzel			015.09.28 @ 03		
Mud and Cushion Inf	ormation							
Mud Type: Gel Chem		C	ushion Type:			Oil API:		deg API
Mud Weight: 10.00	-	Ci	ushion Length:		ft	Water Salinity:		ppm
/iscosity: 44.00			ushion Volume:		bbl			
Nater Loss: 8.78			as Cushion Type:					
Resistivity: Salinity: 1250.00	ohm.m	(ji	as Cushion Pressure		psig			
	inches							
Recovery Information	n				*****			
		R	ecovery Table			1		
	Length ft		Description		Volume bbl			
	70.	00 mud			0.344			
То	otal Length:	70.00 ft	Total Volume:	0.344 bbl				
NL	m Fluid Samples:	0	Num Gas Bombs:	0	Serial #:			
	boratory Name:		Laboratory Location	1:				
Re	ecovery Comments	S:						

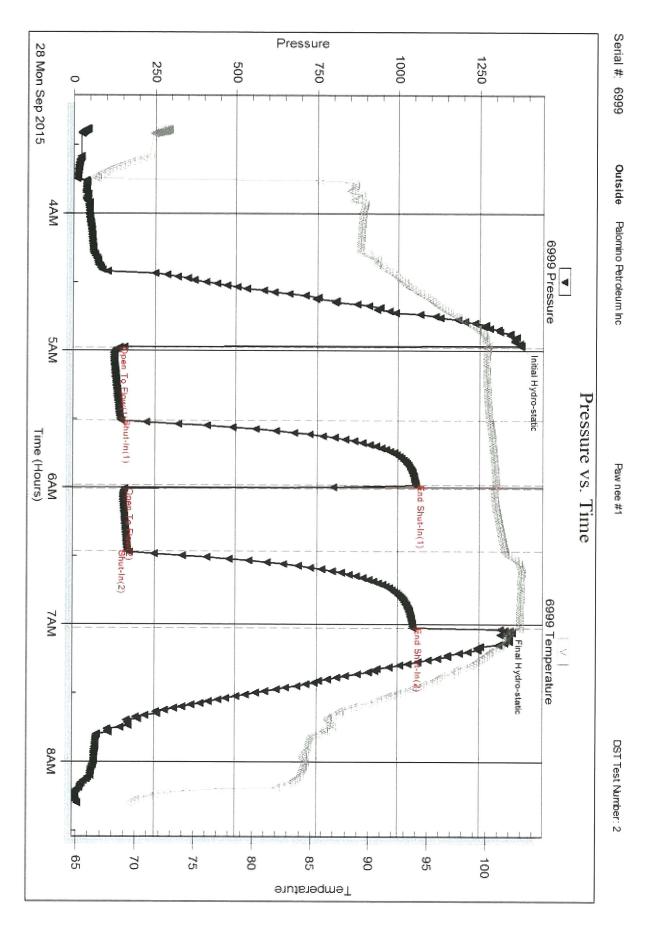


Ref. No: 62952

Trilobite Testing, Inc



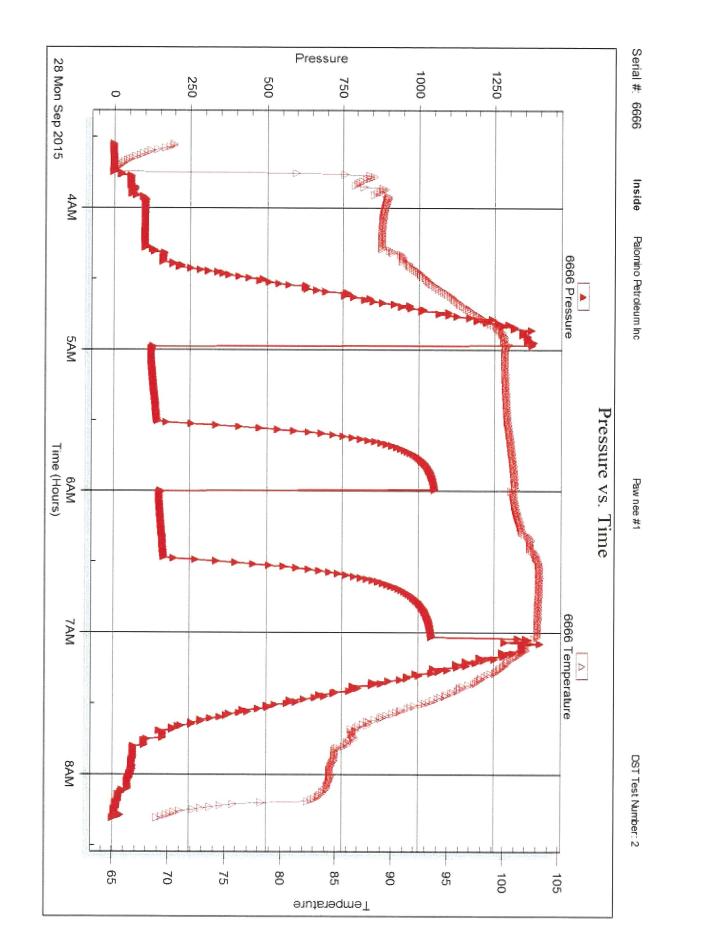






Ref. No: 62952

Trilobite Testing, Inc





DRILL STEM TEST REPORT

Prepared For:

Palomino Petroleum Inc

4924 SE 84th St Newton KS 67114+8827

ATTN: Andrew Stenzel

Pawnee #1

10-21S-3E Marion,KS

 Start Date:
 2015.09.28 @ 13:10:00

 End Date:
 2015.09.28 @ 19:10:09

 Job Ticket #:
 62953
 DST #: 3

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

Printed: 2015.09.30 @ 08:20:14

RILOBITE	Palomino Petroleum Inc		10	-21S-3E	Marior	n.KS	
ESTING , INC	4924 SE 84th St			wnee #			
	New ton KS 67114+8827			o Ticket: 6		DST	#:3
	ATTN: Andrew Stenzel		Tes	st Start: 20	015.09.28	@ 13:10:00)
GENERAL INFORMATION:				*****			
Formation: Hunton Deviated: No Whipstock: Time Tool Opened: 14:28:07 Time Test Ended: 19:10:09	ft (KB)		Tes	ster:	Conventic Jared Scł 55	onal Bottom I neck	Hole (Initial)
nterval: 2595.00 ft (KB) To 282 Total Depth: 2825.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	D)		Ret	ference Ele	evations: to GR/CF:	1403.0	00 ft(KB) 00 ft(CF) 00 ft
Serial #: 6666 Inside	NAMES NO. 21 - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1						
Press@RunDepth: 183.90 psig (Start Date: 2015.09.28 Start Time: 13:10:01	 2789.00 ft (KB) End Date: End Time: 	2015.09.28 19:10:10	Capacity Last Cal Time On Time Off	lib.: Btm:		8000.0 2015.09.2 8 @ 14:27:8 8 @ 17:38:0	52
EST COMMENT: IFP-30 Minutes-W ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th	lo blow back Veak building blow built 4" No blow back	1		RESSIE		MARV	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N	lo blow back Veak building blow built 4" No blow back	-1	D	RESSUE			
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N	lo blow back Veak building blow built 4" No blow back	Time	Pressure		RE SUM		
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th	lo blow back Veak building blow built 4" No blow back mec	Time (Min.) 0			Annota		
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. The COD Heave	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1	Pressure (psig) 1369.03 148.63	Temp (deg F) 100.71 100.36	Annota Initial Hy Open To	ation dro-static o Flow (1)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th OUD Pressure	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32	Pressure (psig) 1369.03 148.63 146.13	Temp (deg F) 100.71 100.36 100.86	Annota Initial Hy Open To Shut-In(ation dro-static o Flow (1) 1)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. The COD Heave	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61	Pressure (psig) 1369.03 148.63	Temp (deg F) 100.71 100.36 100.86 101.43	Annota Initial Hy Open To	ation dro-static Flow (1) 1) tt-ln(1)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th CONTRACTOR	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 61 121	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90	Temp (deg F) 100.71 100.36 100.86 101.43 101.02 102.07	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(ation dro-static Flow (1) 1) tt-In(1) b Flow (2) 2)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th CONTRACTOR	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56	Temp (deg F) 100.71 100.36 100.86 101.43 101.02 102.07 102.43	Annota Initial Hy Open To Shut-In(End Shu Open To	ation dro-static Flow (1) 1) t-In(1) Flow (2) 2) t-In(2)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. Th Tool House Tool Hou	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 100.86 101.43 101.02 102.07 102.43	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu	ation dro-static Flow (1) 1) t-In(1) Flow (2) 2) t-In(2)	
ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-N Pressure vs. The DOD Insure T20 50 50 50 50 50 50 50 50 50 50 50 50 50	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 101.43 101.02 102.07 102.43 102.52	Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu	ation dro-static Flow (1) 1) t-In(1) Flow (2) 2) t-In(2)	
ISIP-30 Minutes-N FFP-60 Minutes-N FSIP-60 Minutes-N Pressure vs. The pressure vs. The pres	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 101.43 101.02 102.07 102.43 102.52	Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation dro-static Flow (1) 1) t-In(1) Flow (2) 2) t-In(2)	Gas Rate (Mct/d)
ISIP-30 Minutes-N FFP-60 Minutes-N Pressure vs. The CODE Heave The second secon	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 101.43 101.02 102.07 102.43 102.52	Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mct/d)
ISIP-30 Minutes-N FFP-60 Minutes-N Pressure vs. The pressure vs. The press	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 101.43 101.02 102.07 102.43 102.52	Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)
ISIP-30 Minutes-N FFP-60 Minutes-N Pressure vs. The pressure vs. The press	lo blow back Veak building blow built 4" No blow back	(Min.) 0 1 32 61 61 121 120	Pressure (psig) 1369.03 148.63 146.13 1039.10 160.56 183.90 1036.63	Temp (deg F) 100.71 100.36 101.43 101.02 102.07 102.43 102.52	Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mct/d)

Trilobite Testing, Inc

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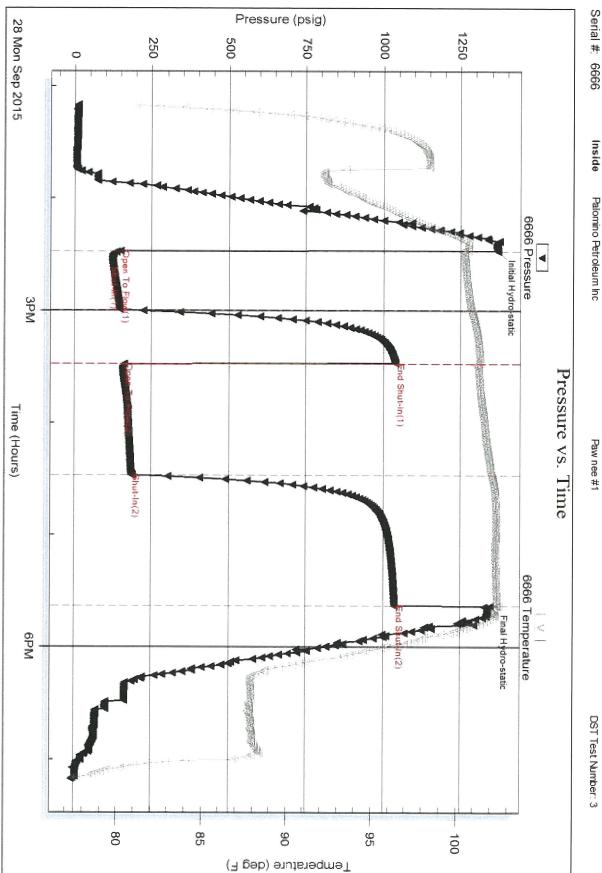
RILOBITE	Palomino Petroleum Inc		10-	21S-3F	Marion,K	(S
ESTING , INC						
	4924 SE 84th St New ton KS 67114+8827			wnee # Ticket: 62		DST#:3
	ATTN: Andrew Stenzel				015.09.28 @	
GENERAL INFORMATION:						
Formation: Hunton Deviated: No Whipstock: Time Tool Opened: 14:28:07 Time Test Ended: 19:10:09	ft (KB)		Tes Tes Unit	ter:	Conventiona Jared Schec 55	ıl Bottom Hole (Initial) ck
nterval: 2595.00 ft (KB) To 282 Total Depth: 2825.00 ft (KB) (TV Hole Diameter: 7.88 inches Hole	D)		Refe	erence Ele KB t	evations:	1408.00 ft (KB) 1403.00 ft (CF) 5.00 ft
Serial #: 6999 Outside Press@RunDepth: 1037.45 psig () Start Date: 2015.09.28 () Start Time: 13:00:01 ()	2790.00 ft (KB) End Date: End Time:	2015.09.28 19:10:01	Capacity: Last Calit Time On I Time Off	o.: Btm: :	2015.09.28 (2015.09.28 (-
EST COMMENT: IFP-30 Minutes-W ISIP-30 Minutes-N FFP-60 Minutes-V FSIP-60 Minutes-1 Pressure vs. Th	o blow back Veak building blow built 4" No blow back					
E CONTRACTOR CONTRACTO	CCCC Companying	Time	PF Pressure	Temp	RE SUMM	
520 		(Min.) 0	(psig) 1365.77	(deg F)	Initial Hydro	
			138.04 146.41 1038.48 166.24 185.40 1037.45 1320.23	100.46 100.62 100.98 100.82	Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	low (1) n(1) ow (2) n(2)
		32 61 62 120 190	138.04 146.41 1038.48 166.24 185.40 1037.45	100.46 100.62 100.98 100.82 101.38 101.89	Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	low (1) n(1) ow (2) n(2)
To the second se		32 61 62 120 190	138.04 146.41 1038.48 166.24 185.40 1037.45	100.46 100.62 100.98 100.82 101.38 101.89 101.96	Open To Fl Shut-In(1) End Shut-Ir Open To Fl Shut-In(2) End Shut-Ir	low (1) n(1) ow (2) n(2)
750 500 500 500 500 500 500 500		32 61 62 120 190	138.04 146.41 1038.48 166.24 185.40 1037.45	100.46 100.62 100.98 100.82 101.38 101.89 101.96	Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	low (1) n(1) ow (2) n(2) p-static
To the second se	Volume (bbl)	32 61 62 120 190	138.04 146.41 1038.48 166.24 185.40 1037.45	100.46 100.62 100.98 100.82 101.38 101.99 101.96	Open To FI Shut-In(1) End Shut-Ir Open To FI Shut-In(2) End Shut-Ir Final Hydro	low (1) n(1) ow (2) n(2) p-static

Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: Drill Collar: Length: 120.00 ft Diameter: 2.25 inches Volume: Total Volume: 3 Total Volume: 4 Total Volume: 4 Total Volume: 4 Total Volume: 4	Pawnee #1 Job Ticket: 62953 DST#:3 Test Start: 2015.09.28 @ 13:10:00 4.41 bbl Tool Weight: 1000.00 lb 0.00 bbl Weight set on Packer: 20000.00 lb 0.59 bbl Weight to Pull Loose: 46000.00 lb 5.00 bbl Tool Chased 0.00 ft String Weight: Initial 37000.00 lb Final 38000.00 lb
New ton KS 67114+8827ATTN:Andrew StenzelTool InformationDrill Pipe:Length:2453.00 ftDrill Pipe:Length:0.00 ftDimeter:0.00 inches Volume:Drill Collar:Length:120.00 ftDimeter:2.25 inches Volume:Drill Pipe Above KB:6.00 ftDepth to Top Packer:2595.00 ftDepth to Top Packer:2595.00 ftDepth to Bottom Packer:ftInterval betw een Packers:230.00 ftNumber of Packers:2Diameter:6.75 inchesTool Comments:5.00Packer5.00Shut In Tool5.00Safety Joint2.00Safety Joint2.00Packer5.00Change Over Sub0.75Drill Pipe186.50	Job Ticket: 62953 DST#: 3 Test Start: 2015.09.28 @ 13:10:00 4.41 bbl Tool Weight: 1000.00 lb 0.00 bbl Weight set on Packer: 20000.00 lb 0.59 bbl Weight to Pull Loose: 46000.00 lb 5.00 bbl Tool Chased 0.00 ft String Weight: Initial 37000.00 lb
Tool InformationDrill Pipe:Length:2453.00 ftDiameter:3.80 inches Volume:3Heavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:3Drill Collar:Length:120.00 ftDiameter:2.25 inches Volume:3Drill Pipe Above KB:6.00 ftTotal Volume:3Depth to Top Packer:2595.00 ftTotal Volume:3Depth to Bottom Packer:ftInterval betw een Packers:230.00 ftTool Length:258.00 ft258.00 ftNumber of Packers:2Diameter:6.75 inchesTool Comments:2Diameter:6.75 inchesTool Comments:5.00257Andra Safety Joint2.00258Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Change Over Sub0.75260Drill Pipe186.50278	Test Start: 2015.09.28 @ 13:10:00 4.41 bbl Tool Weight: 1000.00 lb 0.00 bbl Weight set on Packer: 20000.00 lb 0.59 bbl Weight to Pull Loose: 46000.00 lb 5.00 bbl Tool Chased 0.00 ft String Weight: Initial 37000.00 lb
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Heavy Wt. Pipe:Length:0.00 ftDiameter:0.00 inches Volume:Drill Collar:Length:120.00 ftDiameter:2.25 inches Volume:Total Volume:3Drill Pipe Above KB:6.00 ftTotal Volume:33Depth to Top Packer:2595.00 ftDepth to Bottom Packer:ft1Depth to Bottom Packer:ftft11Tool Length:258.00 ft258.00 ft11Number of Packers:2Diameter:6.75 inches2Tool Comments:2Diameter:6.75 inches2Shut In Tool5.00257257Hydraulic tool5.00258258Safety Joint2.00258258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259258Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259Packer5.00259	0.00 bblWeight set on Packer: 20000.00 lb0.59 bblWeight to Pull Loose: 46000.00 lb5.00 bblTool Chased0.00 ftString Weight: Initial37000.00 lb
Drill Collar:Length:120.00 ftDiameter:2.25 inches Volume:Total Volume:Total Volume:3Drill Pipe Above KB:6.00 ftTotal Volume:3Depth to Top Packer:2595.00 ftDepth to Bottom Packer:ftInterval betw een Packers:230.00 ftTool Length:258.00 ftNumber of Packers:2Diameter:6.75 inchesTool DescriptionLength (ft) Serial No.PositionDepShut In Tool5.00257Hydraulic tool5.00258Safety Joint2.00258Packer5.00259Packer5.00259Anchor5.00259Anchor5.00259Drill Pipe186.50278	0.00 bblWeight set on Packer: 20000.00 lb0.59 bblWeight to Pull Loose: 46000.00 lb5.00 bblTool Chased0.00 ftString Weight: Initial37000.00 lb
Drill Pipe Above KB:6.00 ftTotal Volume:3Depth to Top Packer:2595.00 ftDepth to Bottom Packer:ftInterval betw een Packers:230.00 ftTool Length:258.00 ftNumber of Packers:2Diameter:6.75 inchesTool DescriptionLength (ft) Serial No.PositionShut In Tool5.00257Hydraulic tool5.00258Safety Joint2.00258Packer5.00259Packer5.00259Packer5.00259Anchor5.00259Change Over Sub0.75260Drill Pipe186.50278	5.00 bbl Tool Chased 0.00 ft String Weight: Initial 37000.00 lb
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Anchor 5.00 260 Change Over Sub 0.75 260 Drill Pipe 186.50 278	0.00 28.00 Bottom Of Top Packe
Change Over Sub 0.75 260 Drill Pipe 186.50 278	
Drill Pipe 186.50 278	
•	0.75
-	8.00
	9.00
	1.00
Bullnose 4.00 282	
Total Tool Length: 258.00	
Total Tool Length: 258.00	
	2.00 DOLLOIT PACKETS & Anchor

	- <u>-</u> D	RILL STEM TEST	REPOR	Г		FLUID SU	JMMAR
RILOBIT		lomino Petroleum Inc		10-21S-3E	Marion,KS		
ESTIN	$ \mathbf{G}, \mathbf{NC} _{49}$	24 SE 84th St		Pawnee a			
	1	ew ton KS 67114+8827		Job Ticket: 6		DST#:3	
	AT	⊡N: Andrew Stenzel			2015.09.28 @ 1		
Mud and Cushion Inform	nation						
Mud Type: Gel Chem		Cushion Type:			Oil API:		deg API
Mud Weight: 9.00 lb/g	al	Cushion Length:		ft	Water Salinity:		ppm
Viscosity: 45.00 sec	:/qt	Cushion Volume:		bbl	,		1- I
Water Loss: 8.79 in ³		Gas Cushion Type:					
Resistivity: ohn	n.m	Gas Cushion Press		psig			
Salinity: 1100.00 ppn Filter Cake: 1.00 incl							
Recovery Information							
		Recovery Table		·····	-		
	Length ft	Description		Volume bbl			
	150.0	00 Mud		1.01	1		
Total	Length:	150.00 ft Total Volume:	1.011 bbl				
Num F	-luid Samples: 0) Num Gas Bombs	: 0	Serial #			
	atory Name:	Laboratory Loca		oonan,			
	very Comments						

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Ref. No: 62953



Trilobite Testing, Inc

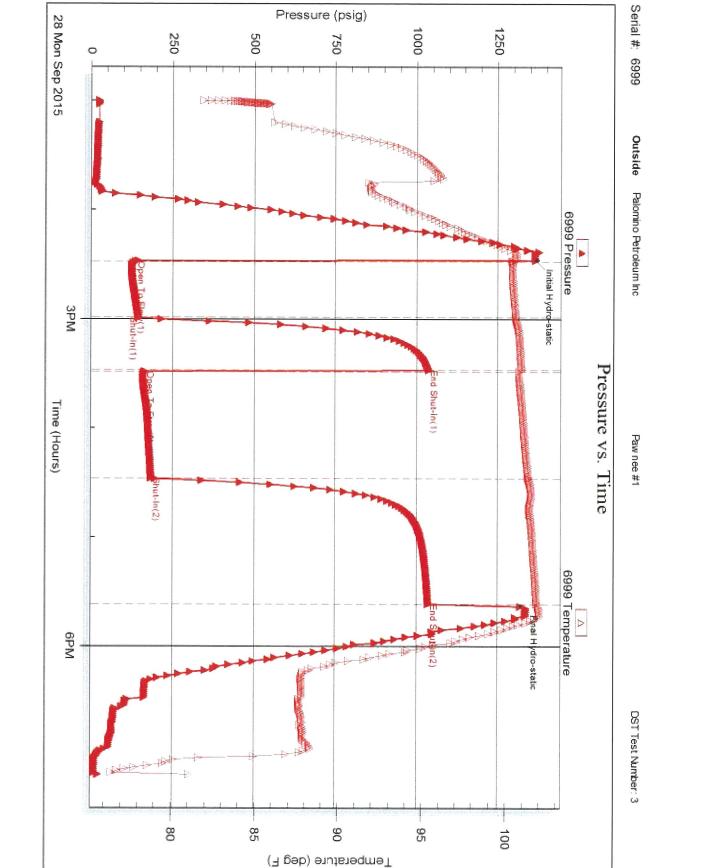
DST Test Number: 3

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Ref. No: 62953







4/10 RILOBI JESTIN 1515 Commer		1		ficket 62961	
Well Name & No. <u>Pawnee</u> #] Company <u>Palomino Petro</u> Address 4724 <u>SF</u> <u>84</u> ⁴⁴ SF Co. Rep / Geo. <u>And rew SF</u> Location: Sec. <u>/O</u> Twp.	- Nauton KS671	Elevation 4	1408/2 Dilling Ri	кв 1403	<u>GL</u>
Interval Tested <u>2595 - 28</u> Anchor Length <u>215</u> Top Packer Depth <u>2590</u> Bottom Packer Depth <u>2595</u> Total Depth <u>2810</u> Blow Description <u>IFP - Very</u> <u>ISTP 10 Blaw Back</u> <u>FFP - Vay Wark Surge</u>	Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides Wre K Black Bui] J. M	/20 70 pp	Mu Vis WI m System LC	nd Wt. <u>9, 6</u> <u>9</u> <u>9</u> <u>8, 9</u> M <u>T</u> F 0 1	
FSIP-WO Blaw Back Rec Feet of MU2 Rec Feet of Rec Rec Feet of Rec Rec Feet of Rec Rec Feet of Feet of Rec Feet of Feet of		%gas %gas %gas %gas %gas	%oil %oil %oil %oil %oil	%water %water %water %water %water	%mud %mud %mud %mud %mud
Rec Feet of Rec Total BHT (A) Initial Hydrostatic /3(e) [(B) First Initial Flow /3(e) [(C) First Final Flow /2/[(D) Initial Shut-In /26 (E) Second Initial Flow /3/[(F) Second Final Flow /20 (G) Final Shut-In /7(b) (H) Final Hydrostatic /353 Initial Open 30	Gravity A Gravity A Test 1050 Jars 250 Jars 75 Safety Joint 75 Circ Sub Hourly Standby Mileage 205 A Sampler	PIRW	@ F Cl T-On Locat T-Started _ T-Open T-Pulled _ T-Out/ Comments	nlorides tion OO p I & pm O ~ 2 / 4 pm & ~ 4 pm & ~ 4 pm & ~ 4 pm & ~ 4 pm & ~ 4	ppm
Initial Shut-In Final Flow Final Shut-In 30	Extra Packer Extra Packer Extra Recorder Day Standby Constand Day Sub Total		Sub Total	Copies 0 L 5 8 0 Disc't	

	LOBITE ESTING INC. Commerce Parkway • Hays,	Kansas 67601		Test NO.	Ticket 62952	
Company <u>Palamin</u> Address <u>4924 SF</u> Co. Rep / Geo. <u>Andre</u> Location: Sec. <u>10</u>	8414 51 New 101 w Sterize Twp. 215 Rge. 2815 Zor 2 Dril 590 Dril 95 Wt.	E KS C SE ne Tested I Pipe Run I Collars Run Pipe Run orides 2	_ Elevation _ 140 7114 + 8327 _ Rig _ W W T Co Mars'Or Hunton 120	8) N N N temL	_Date _KB KB State Mud Wt Mud Wt /is _YL .CM	/ <u>S</u> GL
ISIP-10 Glow FFP- Very weat FSIP NO BOW B	<u>i Back</u> K Sulface Blau B. Mack	1 2	rch into Bic	ket		
	Aud		%gas	%oil	%water	%mud
			%gas	%oil	%water	%mud
			%gas	%oil	%water	%mud
			%gas %gas	%oil %oil	water %water	%mud %mud
Rec Total ////////////////////////////////////	4 2 2 3 Safe 0 5 0 Circle 0 5 7 0 Hou 65 0 Mile 2 9 0 Stra 2 9 0 Stra 0 Sha 0 Extra 0 Extra 0 Day	t1050 250 ety Joint75 esub vrly Standby eage 205 R npler addle addle ra Packer ra Recorder standby essibility	und trip Great Bad	T-On Loc T-Started T-Open T-Pulled Commen Commen Ruine Ruine Ruine Sub Tota Total	8 : / 8 hts <u>Stayed on</u> o <u>action</u> ed Shale Packer ed Packer Copies	
					940	

4/10	RILOBITE ESTING IN 1515 Commerce Parkw	C. ay ∙ Hays, Kansas 67601		Test NO.	Ticket 62753	
Well Name & No CompanyPad Address496 Co. Rep / Geof Location: Sec	Mino Petroleur 14 SE 84th St-	viewton KS 6	Elevation <u>14</u> 271144	08 58.27 Drillin	Date <u>7-28-2</u> _KB <u>1403</u> <u>SR: #10</u> State KS	GL
Anchor Length Top Packer Depth Bottom Packer Depth Total Depth2 Blow Description <u>FFP - Mon</u>	2590 2595 825 FP- Weak Blow Blow Back	Zone Tested Drill Pipe Run Drill Collars Run Wt. Pipe Run Chlorides _//00 Built Sinches i UBUILT Ginches	20 ppm Sy Buc	M V W /stem L(set	lud Wt is /LS. 8 CM	
Rec50 Rec	Feet of		%gas %gas	%oil %oil	%water %water	%mud %mud
Rec Rec Rec			%gas %gas %gas	%oil %oil %oil	%water %water %water	%mud %mud %mud
Rec Total	2ВНТ 148 148 146 1039 160 160 189 1036 1346 30 30 30 30	Gravity API RV Test 1050 Jars 250 Jars 75 Circ Sub Hourly Standby Mileage 205 40 Md Sampler Straddle Shale Packer Extra Packer Day Standby	N@	F C T-On Loca T-Started T-Open	Chlorides ation 2228 pm 2228 pm 5228 pm 528 pm 5	ppm
		Accessibility Sub Total			Disc't	