

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1259672

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 North / South Line of Section				
City: State: Zip:+	Feet from East / West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
□ Oil □ WSW □ SHOW □ Gas □ D&A □ ENHR □ SIGW □ OG □ GSW □ Temp. Abd. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.): □ If Workover/Re-entry: Old Well Info as follows: Operator: Well Name:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.				
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:				
GSW Permit #:	Cuerter See Two S R Total West				
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. R East West 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 Approved by: Date:				

Page Two



Operator Name:				_ Lease I	Name: _			Well #:	
Sec Twp	S. R	East	West	County	:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in press o surface test, along v	ures, whe	ther shut-in pre chart(s). Attach	ssure reac extra shee	hed stati	c level, hydrosta space is neede	tic pressures, b d.	ottom hole temp	erature, fluid recov
Final Radioactivity Lo files must be submitte						ogs must be ema	alled to kcc-well-	logs@kcc.ks.go	v. Digital electronic
Drill Stem Tests Taker (Attach Additional		Y	es No			J	on (Top), Depth		Sample
Samples Sent to Geo	logical Survey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run			es No						
List All E. Logs Run:									
				RECORD	Ne				
	0: 11.1					ermediate, product		" 0 1	T 15
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Weig Lbs.		Setting Depth	Type of Cement	# Sacks Used	Type and Percer Additives
			ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives	
Perforate Protect Casing	Top Dottom								
Plug Back TD Plug Off Zone									
1 lug 0 li 20 lio									
Did you perform a hydrau	ulic fracturing treatment	on this well	?			Yes	No (If No, s	skip questions 2 a	nd 3)
Does the volume of the t			-		-			skip question 3)	
Was the hydraulic fractur	ing treatment informatio	n submitted	to the chemical of	disclosure re	gistry?	Yes	No (If No, i	ill out Page Three	of the ACO-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Ceme	nt Squeeze Recor	rd Depth
						(* *			200
TUBING RECORD:	Size:	Set At:		Packer A	t·	Liner Run:			
		0017111				[Yes N	o	
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	nod:	g 🗌	Gas Lift (Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat	er B	bls.	Gas-Oil Ratio	Gravity
DIODOCITI	01.05.040			4ETUOD 05	. 00145/	TION:		DDOD! ICT!	
DISPOSITION Solo	ON OF GAS: Used on Lease		N Open Hole	∥ETHOD OF Perf.	_		mmingled	PRODUCTION	ON INTERVAL:
	bmit ACO-18.)		Other (Specify)		(Submit		mit ACO-4)		

Form	ACO1 - Well Completion			
Operator	Palomino Petroleum, Inc.			
Well Name	Crist Unit 1			
Doc ID	1259672			

Tops

Name	Тор	Datum
Anhy.	2054	(+903)
Base Anhy.	2126	(+831)
Heebner	3835	(-878)
Lansing	3887	(-930)
Muncie Creek	4080	(-1123)
Stark Sh.	205	(-1248)
BKC	4334	(-1377)
Marmaton	4360	(-1403)
Pawnee	4440	(-1483)
Ft. Scott	4468	(-1511)
Cherokee Sh.	4480	(-1523)
Morrow Sh.	4659	(-1702)
Morrow Sd.	4665	(-1708)
St. Gen.	4712	(-1779)
St. Louis	4736	(-1779)
LTD	4865	(-1908)



REMIT TO

Consolidated Oil Well Services,LLC Dept:970 P.O.Box 4346 Houston,TX 77210-4346 RECEIVED

MAIN OFFICE

JUL 0 7 2015

7 2015 P.O.Box884 Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

Invoice Invoice# 804712

Invoice Date: 06/30/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827

CHRIST 1

USA					
Part No	Description	Quantity	Unit Price D	iscount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	5.2500	25.000	196.88
CE0710	Cement Delivery Charge	1.000	679.0000	25.000	509.25
CC5800A	Class A Cement Sack	165.000	18.5500	25.000	2,295.56
CC5325	Calcium Chloride	465.000	0.9400	25.000	327.83
CC5965	Bentonite	310.000	0.2700	25.000	62.78
			S	Subtotal	5,673.05
			Discounted /	Amount	1,418.26
			SubTotal After D	iscount	4,254.79
			Amount Du	e 5,964.95 If paid	d after 07/30/15
=========				===========	=======================================
				Tax:	218.92
				Total:	4,473.72



3775 804712 3135 proice#

TICKET NUMBER 47976

LOCATION Oakleyks

FOREMAN COLUDARIA

FIELD TICKET & TREATMENT REPORT

20-431-9210 oi	anute, KS 6677 800-467-8676	i		CEMEN	T			Kc
DATE	CUSTOMER#		NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
6/24/15	6285	Christ			31	20	રુડ ખ	rcott
USTOMER		-		Sto Co.line	TRUCK#	DRIVER	TRUCK#	DRIVER
IAILING ADDRES	<u>alomino</u>			15 W +0	445 A	Cody R.	P TRUCK#	DRIVER
/ ILINO / IDD/ ILI	,0			Falcen Ro	460	Colin S.		
ITY		STATE	ZIP CODE	- LIV.	-, 00	120.11 3.		
				1. 17110				
OB TYPE Sug	falle	HOLE SIZE 12	Yu.	 HOLE DEPTH	1217	_ CASING SIZE & W	VEIGHT 8 6/8	233
ASING DEPTH_		DRILL PIPE		TUBING			OTHER	
LURRY WEIGHT		SLURRY VOL_		_	sk	CEMENT LEFT in	CASING	
ISPLACEMENT	12.5	DISPLACEMEN'	T PSI	MIX PSI		RATE		
EMARKS: 5	fter mestin	a Ric Upo	V mm10.	- Run Cossi	na Break	Circulatio	n with ri	epump
calcupto a	pullato truc	k mix 165	sks (cin	on 390 cc	240el 1	wash up + C	risplace	2.5 BBL
ilater Sh		c gamu			7	V		
								
	(Cement 1	Did (irculat	Q.			
		<u>Oji</u>	<u></u>	21.0				
			<u> </u>					
terax 5 B	BI to NA							
·0.F.Q: -	101 10 (1)					Thanks Co	ory & Cra	, •
ACCOUNT		or UNITS		DESCRIPTION o	f SERVICES or P		UNIT PRICE	TOTAL
ACCOUNT CODE		or UNITS			f SERVICES or P		7	
ACCOUNT CODE	QUANITY		PUMP CHAF		f SERVICES or P		UNIT PRICE	TOTAL
ACCOUNT CODE 5401 S	QUANITY		PUMP CHAF	RGE	CEO	RODUCT	UNIT PRICE	TOTAL
ACCOUNT CODE 5401 S	QUANITY		PUMP CHAF		CEO	RODUCT	UNIT PRICE	TOTAL 1150.99 262.50
ACCOUNT	QUANITY 50	16	PUMP CHAR MILEAGE Ton Mi	leage D	CEO	RODUCT	UNIT PRICE 1 (50, 9) 5.25 (.75)	1150.99 262.50 679.99
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.5	16 5 sks	PUMP CHAF MILEAGE Ton mi	leage D	elivory	RODUCT VEOD CEO/10	UNIT PRICE 1 (50, 9) 5.25 (.75)	TOTAL 1150.99 262.50
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75)	TOTAL 1150.99 262.50 679.99
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks	PUMP CHAF MILEAGE Ton mi	leage D Acement M Chlor	elivory	RODUCT VEOD CEO/10	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5405 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5405 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 (50, 9) 5.25 (.75) 18,55	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5405 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1 150. 8 5.25 1.75 18.55 .94 .27	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5406 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1150, 5.25 1.75 18.55 .94 .27	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5405 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1150, 5.25 1.75 18.55 . 94 .27 sub total 25% lass sub total	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 5405 5405 1104 S 1102 1118 B	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1150, 5.25 1.75 18.55 . 94 .27 Sub total 25% 1255 Sub total SALES TAX	TOTAL 1150.99 262.50 679.99 3060.15 437.10
ACCOUNT CODE 5401 S 5405 5407	QUANITY 50 7.	16 5 sks 5 4 4	PUMP CHAR MILEAGE Ton mi Class I	leage D Acement M Chlor	clivery ide	CC5325	UNIT PRICE 1150, 5.25 1.75 18.55 . 94 .27 sub total 25% lass sub total	TOTAL 1150.99 262.50 679.99 3060.15 437.10



REMIT TO

Consolidated Oil Well Services,LLC Dept:970 P.O.Box 4346 Houston, TX 77210-4346

RECEIVED

MAIN OFFICE

P.O.Box884 JUL 1 0 2015 Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

804841 Invoice# Invoice

07/07/15 Invoice Date: Net 30 Terms: Page

PALOMINO PETROLEUM, INC.

4924 SE 84T	TH STREET S 67114-8827	CRI	ST #1		
Part No	Description	Quantity	Unit Price Di	======== scount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	33.000	1,005.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	33.000	239.53
CE0710	Cement Delivery Charge	1.000	1,015.0000	33.000	680.05
CC5829	Lite-Weight Blend V (60:40:4)	270.000	16.0000	33.000	2,894.40
CC6075	Celloflake	67.000	2.0000	33.000	89.78
CP8228	8 5/8" Wooden Plug	1.000	165.0000	33.000	110.55
			S	Subtotal	7,491.50
			Discounted A	Amount	2,472.20
			SubTotal After D	iscount	5,019.30
			Amount Due	e 7,884.12 If paid	d after 08/06/15
				 Tax:	263.05
				Total:	5,282.36
=======================================				=========	



30 sks

3407

TICKET NUMBER_	49440
LOCATION Ockley	Ks
FOREMAN Done	

	VO CCT	oo FIE	LD_TICKET	L& TREAT	MENT REF	ORT		
20 Box 884, C	hanute, KS 667 or 800-467-8676	nvoice:	#80184	CEMEN	Γ			Ks
DATE	CUSTOMER#	WELL NAME & NUMBER			SECTION	TOWNSHIP	RANGE	COUNTY
7.3-15	୧୯୫୯	CRos+*			3ĺ	20	<i>3</i> 3	Scott
CUSTOMER	-			Seatt City				
	Palonino.			south to	TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDRE	ESS			Su to faken	399	Mike/		
				ROID Edale	960	Reio		
CITY		STATE	ZIP CODE					
JOB TYPE PT	4	HOLE SIZE	1	_ HOLE DEPTH		CASING SIZE & V	VEIGHT	
		DRILL PIPE 4	//2	_TUBING			OTHER	
	IT_13.%				k 6.90	CEMENT LEFT in	CASING	
DISPLACEMEN ^T	T_HSS	DISPLACEMEN	T PSI	MIX PSI		RATE		
REMARKS: S	ofety neetin	a Pia us	. Plug as	ordereal				
		- t - t - 1						
	2136' 50 sk							
	1400' 80 si							
	600' 40 sk							
	170' 50 sk							
	60' 20 5K							
	22 \$C 3K3							

		Than	KS Dave + C	حربا
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CECCZ	් <u>5</u> ව	MILEAGE	7.15	357.50
CEOTIO /	11.6	Top Mileage Delivery	1.75	1015.60
CC5829	470 SKS	Lite- Weight Blench V (60:40:4)	16.00	4320.00
CC 6075	ሬን	Celloflake	2.00	134.00
CP8228	ì	85/8 wooden flug.	165.00	165.00
			Sub	7491.50
			1ess 33%	2472.19
·			Total	5019.31
			SALES TAX	263.05
Ravin 3737	a. all		ESTIMATED TOTAL	5282-36

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.

DATE_



Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.06.29 @ 05:36:12 End Date: 2015.06.29 @ 12:55:12 Job Ticket #: 61493 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61493

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.06.29 @ 05:36:12

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Press@RunDepth:

Marmaton

Deviated:

No

Whipstock: Time Tool Opened: 07:45:27

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Shane McBride

Unit No:

Reference Elevations:

2957.00 ft (KB)

2952.00 ft (CF)

7.88 inches Hole Condition: Fair

4328.00 ft (KB) To 4433.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Serial #: 6771

Time Test Ended: 12:55:12

Outside

90.74 psig @

4433.00 ft (KB) (TVD)

4329.00 ft (KB)

2015.06.29

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2015.06.29 05:36:12 End Date: End Time:

12:38:12

Time On Btm:

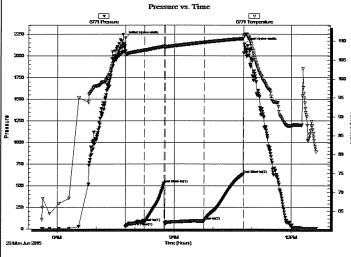
2015.06.29 2015.06.29 @ 07:45:12

Time Off Btm:

2015.06.29 @ 10:47:57

TEST COMMENT: 7" blow

No return B.O.B. in 23 min. No return



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
10	(Min.)	(psig)	(deg F)				
0 5	0	2203.50	107.34	Initial Hydro-static			
	1	28.31	106.29	Open To Flow (1)			
00	30	77.82	107.59	Shut-ln(1)			
5	60	523.64	108.60	End Shut-In(1)			
o =	61	61.88	108.45	Open To Flow (2)			
Temperatur	121	90.74	109.70	Shut-In(2)			
•	182	631.28	110.68	End Shut-In(2)			
9	183	2133.84	111.64	Final Hydro-static			
5							
0							
5							

Recovery

Length (ft)	Description	Volume (bbl)
60.00	60.00 s g o c m 10g 30o 60m	
95.00	s g o c m 10g 40o 50m	0.79
10.00	c g o 10g 90o	0.14
0.00	195' gas in pipe	0.00

Gas Rates						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)			

Trilobite Testing, Inc Ref. No: 61493 Printed: 2015.07.06 @ 09:22:14



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61493

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.06.29 @ 05:36:12

Test Type: Conventional Bottom Hole (Initial)

GENERAL INFORMATION:

Formation: Marmaton

Whipstock: Deviated: No ft (KB)

Time Tool Opened: 07:45:27 Shane McBride Tester:

Time Test Ended: 12:55:12 Unit No:

Interval: 4328.00 ft (KB) To 4433.00 ft (KB) (TVD)

Reference Elevations: Total Depth: 4433.00 ft (KB) (TVD)

2957.00 ft (KB) 2952.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8844 Inside

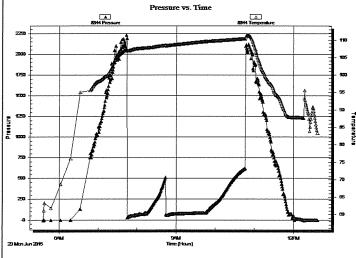
Press@RunDepth: 4329.00 ft (KB) Capacity: 8000.00 psig psig @

Start Date: 2015.06.29 End Date: 2015.06.29 Last Calib .: 2015.06.29

Start Time: 05:35:36 End Time: 12:37:21 Time On Btm: Time Off Btm:

TEST COMMENT: 7" blow

No return B.O.B. in 23 min. No return



	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
;					
Temperature					

PRESSURE SUMMARY

Recovery

	Length (ft)	Description	Volume (bbl)
	60.00	s g o c m 10g 30o 60m	0.30
	95.00	s g o c m 10g 40o 50m	0.79
	10.00	c g o 10g 90o	0.14
ĺ	0.00	195' gas in pipe	0.00

Gas Rates						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)			

Ref. No: 61493 Printed: 2015.07.06 @ 09:22:14 Trilobite Testing, Inc



TOOL DIAGRAM

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61493

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.06.29 @ 05:36:12

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4202.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume:

2.25 inches Volume:

58.94 bbl 0.00 bbl

Tool Weight:

2500.00 lb

0.59 bbl

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 80000.00 lb

0.00 ft

Drill Pipe Above KB: 22.00 ft Depth to Top Packer:

Length:

4328.00 ft

Total Volume: 59.53 bbl Tool Chased String Weight: Initial 57000.00 lb

Depth to Bottom Packer: Interval between Packers: 105.00 ft

120.00 ft Diameter:

Final 57000.00 lb

Tool Length: Number of Packers:

133.00 ft

2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4301.00		
Shut In Tool	5.00			4306.00		
Hydraulic tool	5.00			4311.00		
Jars	5.00			4316.00		
Safety Joint	3.00			4319.00		
Packer	5.00			4324.00	28.00	Bottom Of Top Packer
Packer	4.00			4328.00		
Stubb	1.00			4329.00		
Recorder	0.00	6771	Outside	4329.00		
Recorder	0.00	8844	Inside	4329.00		
Perforations	34.00			4363.00		
Change Over Sub	1.00			4364.00		
Drill Pipe	63.00			4427.00		
Change Over Sub	1.00			4428.00		
Bullnose	5.00			4433.00	105.00	Bottom Packers & Anchor

Total Tool Length:

133.00

Trilobite Testing, Inc. Ref. No: 61493 Printed: 2015.07.06 @ 09:22:15



FLUID SUMMARY

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61493

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.06.29 @ 05:36:12

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt:

33 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

Viscosity:

55.00 sec/qt

0 ppm

Water Loss: Resistivity:

10.33 in³ 0.00 ohm.m Gas Cushion Type: Gas Cushion Pressure:

psig

ft

bbl

Salinity: Filter Cake: 5000.00 ppm 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s g o c m 10g 30o 60m	0.295
95.00	s g o c m 10g 40o 50m	0.786
10.00	c g o 10g 90o	0.140
0.00	195' gas in pipe	0.000

Total Length:

165.00 ft

Total Volume:

1.221 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc

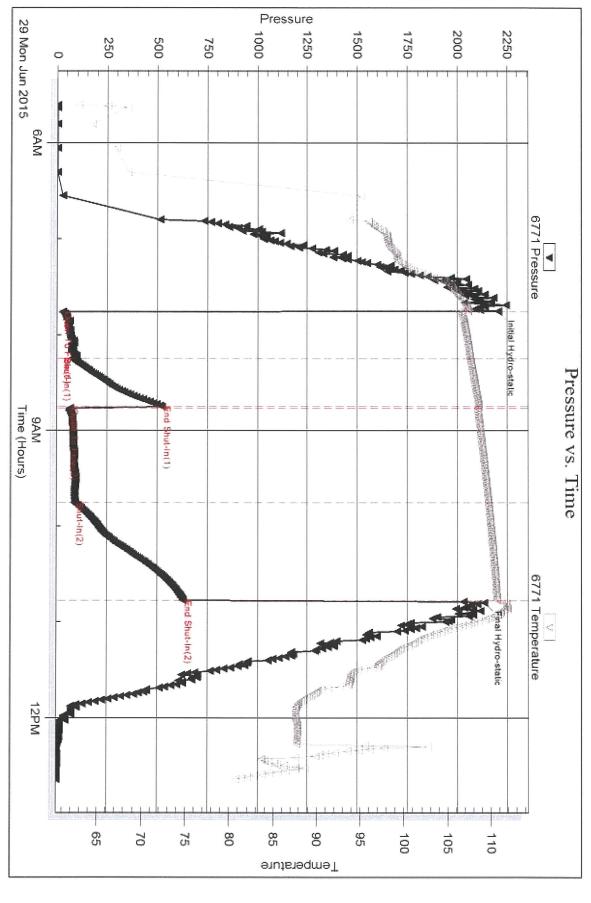
Ref. No: 61493

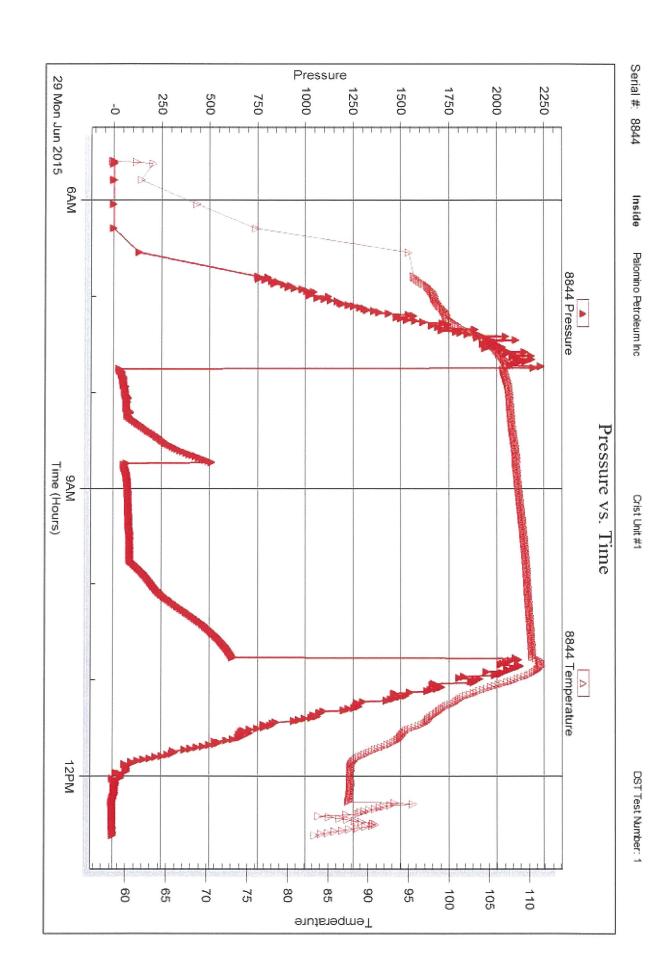
Printed: 2015.07.06 @ 09:22:15

Serial #: 6771



DST Test Number: 1





Trilobite Testing, Inc.

Ref. No:

61493



Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.06.30 @ 00:30:53 End Date: 2015.06.30 @ 06:40:38 Job Ticket #: 61494 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St New ton, KS 67114-8827 Crist Unit #1

Job Ticket: 61494

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.06.30 @ 00:30:53

GENERAL INFORMATION:

Formation:

Pawnee, Ft Scott

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 02:35:38 Time Test Ended: 06:40:38 ,

Shane McBride

Unit No: 84

Tester:

III IVO. 04

2957.00 ft (KB)

Interval:

4430.00 ft (KB) To 4516.00 ft (KB) (TVD)

Reference Elevations:

2952.00 ft (CF)

Total Depth:

4516.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Hole Diameter:

Press@RunDepth:

7.88 inches Hole Condition: Fair

Serial #: 6771

Outside

29.38 psig @

4431.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2015.06.30

End Date:

2015.06.30

Last Calib.:

2015.06.30

00:30:53

End Time:

06:23:38

Time On Btm:

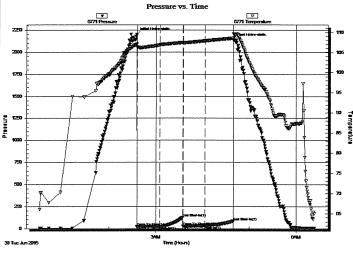
2015.06.30 @ 02:35:23

Time Off Btm:

2015.06.30 @ 04:39:38

TEST COMMENT: 1/4" blow , died in 21 min.

No return No blow No return



	PRESSURE SUMMARY					
	Time	Pressure	Temp	Annotation		
-	(Min.)	(psig)	(deg F)			
15	0	2202.51	107.08	Initial Hydro-static		
	1	20.73	106.30	Open To Flow (1)		
,	30	24.44	106.86	Shut-in(1)		
•	59	125.78	107.46	End Shut-In(1)		
1	60	23.47	107.43	Open To Flow (2)		
Temperatur	88	29.38	107.88	Shut-ln(2)		
=	124	83.38	108.54	End Shut-In(2)		
	125	2137.17	109.62	Final Hydro-static		
•						
			:			
			:			
'						

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01
* Recovery from n	nultiple tests	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 61494 Printed: 2015.07.06 @ 09:21:48



Palomino Petroleum Inc.

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827

Crist Unit #1 Job Ticket: 61494

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.06.30 @ 00:30:53

GENERAL INFORMATION:

Formation:

Pawnee, Ft Scott

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Shane McBride

Time Tool Opened: 02:35:38

Unit No: 84

Time Test Ended: 06:40:38

Tester:

Reference Elevations: 2957.00 ft (KB)

Interval: Hole Diameter: 4430.00 ft (KB) To 4516.00 ft (KB) (TVD)

2952.00 ft (CF)

Total Depth: 4516.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8844 Press@RunDepth: Inside

psig @

4431.00 ft (KB)

Capacity:

8000.00 psig

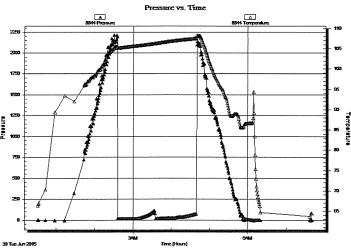
Start Date: Start Time: 2015.06.30 00:31:09

End Date: End Time:

2015.06.30 07:39:54 Last Calib.: Time On Btm: Time Off Btm: 2015.06.30

TEST COMMENT: 1/4" blow , died in 21 min. No return

No blow No return



	PRESSURE SUMMARY					
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation		
-4						
Temperature						

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01
* Recovery from r	nultiple tests	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 61494 Printed: 2015.07.06 @ 09:21:48



TOOL DIAGRAM

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61494

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.06.30 @ 00:30:53

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4295.00 ft Diameter: Length:

0.00 ft Diameter: 120.00 ft Diameter:

Diameter:

3.80 inches Volume: 60.25 bbl 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

0.00 bbl 0.59 bbl 60.84 bbl Tool Weight: 2500.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 75000.00 lb

Tool Chased 0.00 ft String Weight: Initial 57000.00 lb

Final 57000.00 lb

Drill Pipe Above KB: 13.00 ft Depth to Top Packer: 4430.00 ft

Depth to Bottom Packer: 86.00 ft Interval between Packers: Tool Length: 114.00 ft

Number of Packers:

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths Change Over Sub 1.00 4403.00 Shut In Tool 5.00 4408.00 Hydraulic tool 5.00 4413.00 Jars 5.00 4418.00 Safety Joint 3.00 4421.00 28.00

6.75 inches

Packer 5.00 4426.00 Packer 4.00 4430.00 Stubb 1.00 4431.00 Recorder 0.00 6771 Outside 4431.00 Recorder 0.00 8844 Inside 4431.00 Perforations 15.00 4446.00 Change Over Sub 1.00 4447.00 63.00 Drill Pipe 4510.00 Change Over Sub 1.00 4511.00 Bullnose 5.00 4516.00

Bottom Packers & Anchor

86.00

Bottom Of Top Packer

Total Tool Length: 114.00

Trilobite Testing, Inc Ref. No: 61494 Printed: 2015.07.06 @ 09:21:48



FLUID SUMMARY

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61494

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.06.30 @ 00:30:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: Viscosity:

9.00 lb/gal 55.00 sec/qt Cushion Length: ft Cushion Volume: bbl Water Salinity: 0 ppm

Water Loss:

10.32 in³ 0.00 ohm.m

Gas Cushion Type:

Gas Cushion Pressure: psig

Resistivity: Salinity: 5000.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length Description Volume bbl 2.00 mud 100%m 0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Serial#:

Num Fluid Samples: 0 Laboratory Name:

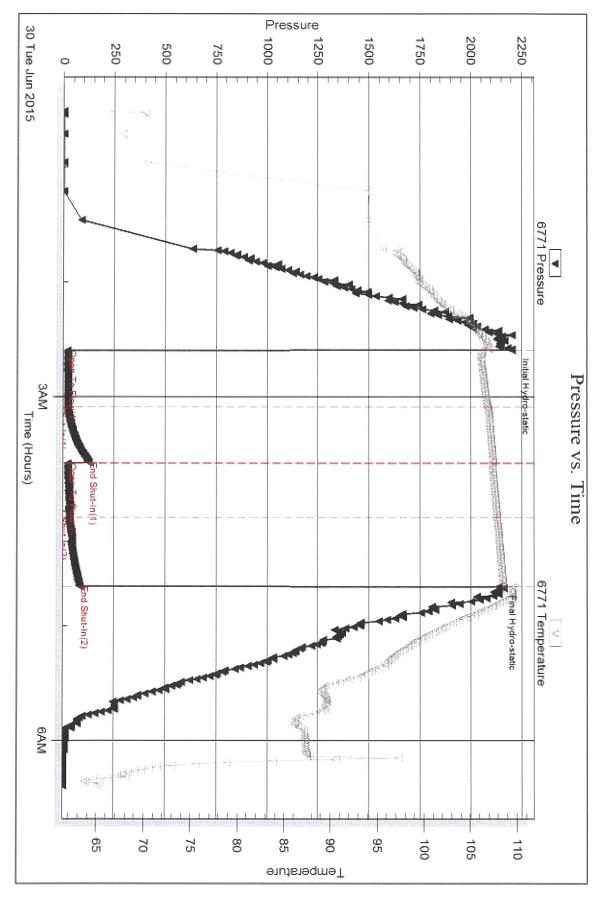
Num Gas Bombs:

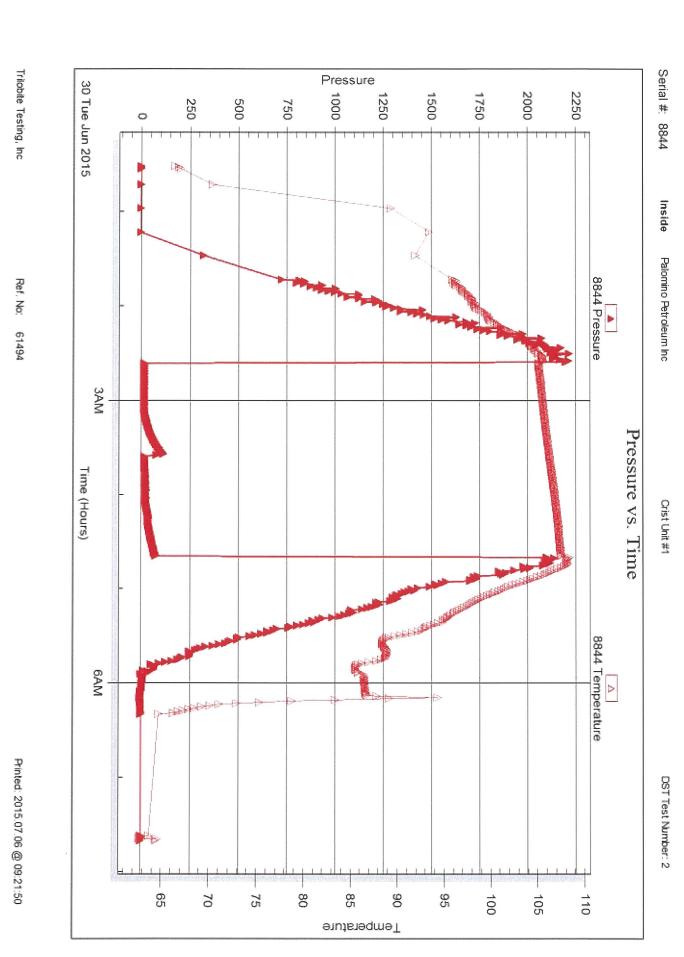
Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 61494 Printed: 2015.07.06 @ 09:21:49

Serial #: 6771







Prepared For: Palomino Petroleum Inc

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.07.01 @ 02:25:32 End Date: 2015.07.01 @ 08:25:32 Job Ticket #: 61495 DST #: 3

Trilobite Testing, Inc

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



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61495

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 02:25:32

GENERAL INFORMATION:

Formation:

Morrow Sand

Deviated:

Time Tool Opened: 04:33:32

Time Test Ended: 08:25:32

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Shane McBride

Unit No: 84

Reference Elevations: 2957.00 ft (KB)

2952.00 ft (CF)

KB to GR/CF:

5.00 ft

Interval:

4645.00 ft (KB) To 4675.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4675.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 6771 Press@RunDepth: Outside

22.67 psig @

4646.00 ft (KB)

2015.07.01

Capacity:

8000.00 psig

Start Date: Start Time: 2015.07.01 02:25:32

End Date: End Time:

08:11:32

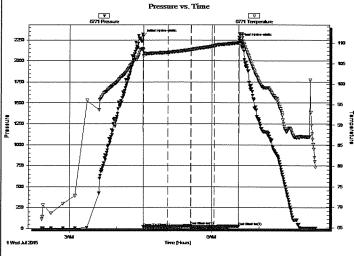
Last Calib.: Time On Btm: 2015.07.01

Time Off Btm:

2015.07.01 @ 04:33:17 2015.07.01 @ 06:34:17

TEST COMMENT: Surface blow died in 12 min.

No return No blow No return



	PRESSURE SUMMARY				
1	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2293.91	108.29	Initial Hydro-static	
	1	18.85	106.76	Open To Flow (1)	
	32	21.54	107.67	Shut-In(1)	
	61	30.88	108.34	End Shut-In(1)	
100	61	22.35	108.34	Open To Flow (2)	
Temperature	90	22.67	109.29	Shut-In(2)	
ě	121	27.82	110.04	End Shut-In(2)	
	121	2249.99	111.39	Final Hydro-static	

Recovery

Length (ft)	Description	Volume (bbl)		
2.00	mud 100%m	0.01		
* Recovery from multiple tests				

Gas Rales						
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)			

Trilobite Testing, Inc

Ref. No: 61495



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827

Job Ticket: 61495

Crist Unit #1

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 02:25:32

GENERAL INFORMATION:

Formation:

Morrow Sand

Deviated:

No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Tester:

Reference Elevations:

Shane McBride

Time Tool Opened: 04:33:32

Unit No:

84

Time Test Ended: 08:25:32

2957.00 ft (KB)

Interval: Total Depth: 4645.00 ft (KB) To 4675.00 ft (KB) (TVD)

2952.00 ft (CF)

4675.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8844

Inside

psig @

4646.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

Press@RunDepth:

2015.07.01

End Date:

2015.07.01

Last Calib.: Time On Btm: 2015.07.01

Start Time:

02:26:13

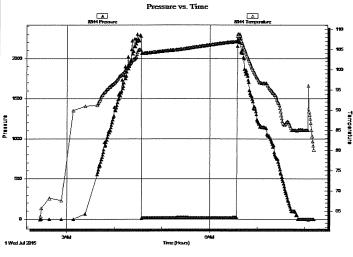
End Time:

08:11:58

Time Off Btm:

TEST COMMENT: Surface blow died in 12 min.

No return No blow No return



	PRESSURE SUMMARY					
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation		
Temperature	!					

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01
* Recovery from r	nultiple tests	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 61495 Printed: 2015.07.06 @ 09:20:35



TOOL DIAGRAM

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61495

DST#:3

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 02:25:32

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

0.00 ft Diameter:

Length: 4516.00 ft Diameter: Length: 120.00 ft Diameter:

3.80 inches Volume: 63.35 bbl 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.59 bbl Total Volume: 63.94 bbl Tool Weight: Weight set on Packer: 25000.00 lb Weight to Pull Loose: 75000.00 lb

1500.00 lb

Drill Pipe Above KB: 19.00 ft Depth to Top Packer: 4645.00 ft

Depth to Bottom Packer: Interval between Packers: 30.00 ft

Tool Length:

58.00 ft

Tool Chased String Weight: Initial 58000.00 lb

Final 58000.00 lb

0.00 ft

Number of Packers:

2 Diameter:

ft

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4618.00		
Shut In Tool	5.00			4623.00		
Hydraulic tool	5.00			4628.00		
Jars	5.00			4633.00		
Safety Joint	3.00			4636.00		
Packer	5.00			4641.00	28.00	Bottom Of Top Packer
Packer	4.00			4645.00		
Stubb	1.00			4646.00		
Recorder	0.00	6771	Outside	4646.00		
Recorder	0.00	8844	Inside	4646.00		
Perforations	24.00			4670.00		
Bullnose	5.00			4675.00	30.00	Bottom Packers & Anchor

Total Tool Length:

58.00

Trilobite Testing, Inc Ref. No: 61495 Printed: 2015.07.06 @ 09:20:36



FLUID SUMMARY

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61495

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 02:25:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

0 ppm

Viscosity: Water Loss: 48.00 sec/qt 10.33 in³ 0.00 ohm.m

Gas Cushion Type:

Gas Cushion Pressure:

bbl psig

ft

Resistivity: Salinity: Filter Cake:

5000.00 ppm 2.00 inches

Recovery Information

Recovery Table

Length ft Description Volume bbl 2.00 mud 100%m 0.010

Total Length:

2.00 ft

Ref. No: 61495

Total Volume:

0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: Laboratory Location: Serial #:

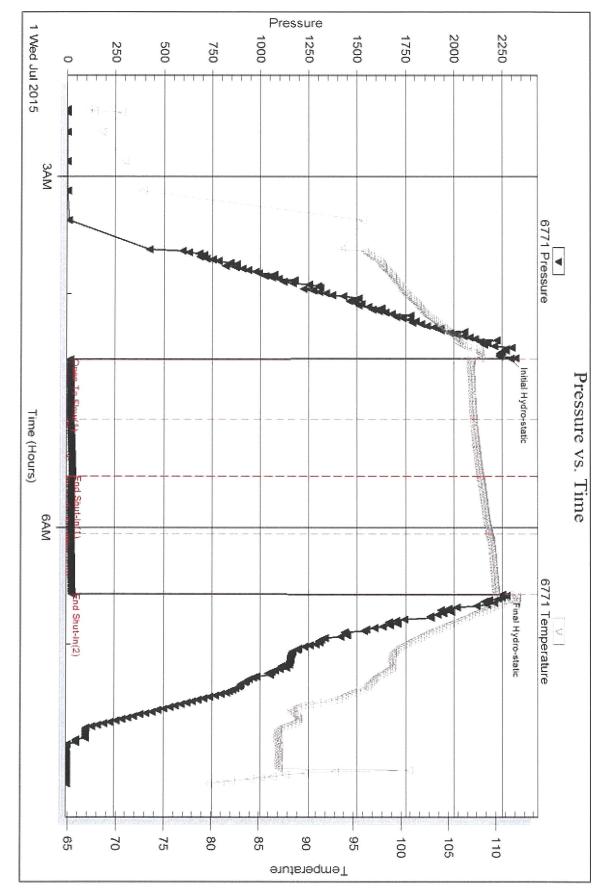
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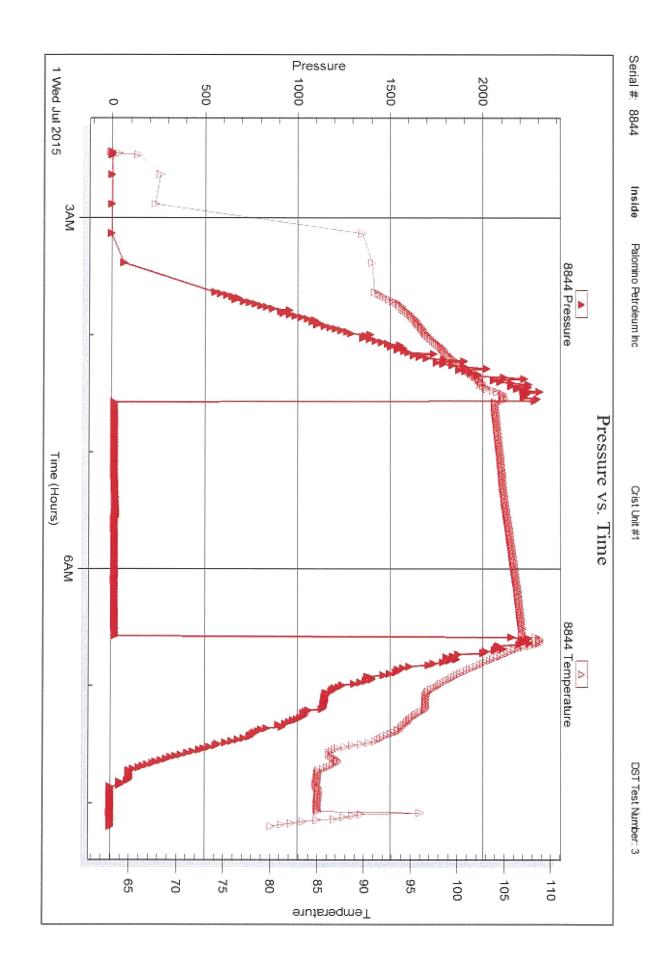
Recovery Comments:

Trilobite Testing, Inc

Printed: 2015.07.06 @ 09:20:37

Serial #: 6771





Triobite Testing, Inc.

Ref. No:

61495



Prepared For: Palomino Petroleum Inc

4924 SE 84th St Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.07.01 @ 16:25:15
End Date: 2015.07.01 @ 23:30:45
Job Ticket #: 61496 DST #: 4

Trilobite Testing, Inc

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



Palomino Petroleum Inc

31-20s-33w Scott, KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61496

DST#:4

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 16:25:15

GENERAL INFORMATION:

Formation:

Lower Morrow Sand

Deviated: Time Tool Opened: 18:42:00

Time Test Ended: 23:30:45

Whipstock: No

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No:

2957.00 ft (KB)

Reference Elevations:

2952.00 ft (CF)

KB to GR/CF:

Interval:

4645.00 ft (KB) To 4709.00 ft (KB) (TVD)

Total Depth: Hole Diameter: 4709.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

5.00 ft

Serial #: 6771 Press@RunDepth: Outside

100.21 psig @

4646.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time: 2015.07.01 16:25:15

End Date: End Time:

2015.07.01 23:07:45 Last Calib.: Time On Btm: 2015.07.01

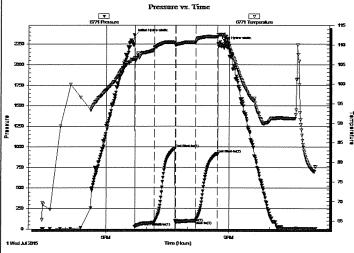
Time Off Btm:

2015.07.01 @ 18:41:30 2015.07.01 @ 20:44:15

TEST COMMENT: B.O.B. in 29 min.

No return B.O.B. in 12 min

Return blow in 5 min. built to 1" died back to a surface blow



	PRESSURE SUMMARY				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psig)	(deg F)		
	0	2349.64	106.66	Initial Hydro-static	
	1	29.40	105.99	Open To Flow (1)	
	30	79.92	109.36	Shut-In(1)	
	60	980.70	110.64	End Shut-In(1)	
7 5	61	79.33	109.89	Open To Flow (2)	
Temperature	90	100.21	110.68	Shut-In(2)	
3	122	920.32	112.14	End Shut-In(2)	
	123	2257.07	112.51	Final Hydro-static	
		1	1		

Recovery

Length (ft)	Description	Volume (bbl)			
60.00	g m c o 25g 20m 55o	0.30			
120.00	g o c m 20g 30o 50m	1.14			
30.00	s g o c m 5g 25o 70m	0.42			
0.00	gas in pipe? no odor	0.00			
* Recovery from multiple tests					

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc.

Ref. No: 61496



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61496

DST#:4

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 16:25:15

GENERAL INFORMATION:

Formation:

Interval:

Lower Morrow Sand

Deviated: Time Tool Opened: 18:42:00

Time Test Ended: 23:30:45

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset) Tester: Shane McBride

Unit No: 84

4645.00 ft (KB) To 4709.00 ft (KB) (TVD)

4709.00 ft (KB) (TVD) Total Depth:

Reference Elevations: 2957.00 ft (KB) 2952.00 ft (CF)

KB to GR/CF: 5.00 ft

7.88 inches Hole Condition: Fair

Serial #: 8844 Press@RunDepth: Inside

psig @

4646.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

Hole Diameter:

2015.07.01

End Date:

2015.07.01

Last Calib .: Time On Btm: 2015.07.01

Start Time:

16:25:47

End Time:

23:08:02

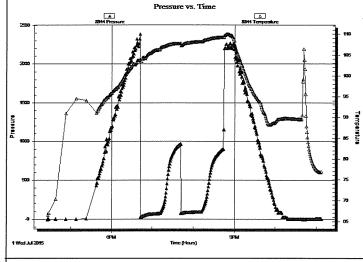
Time Off Btm:

TEST COMMENT: B.O.B. in 29 min.

No return

B.O.B. in 12 min

Return blow in 5 min. built to 1" died back to a surface blow



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
-						
-						

Recovery

Length (ft)	Description	Volume (bbl)			
60.00	g m c o 25g 20m 55o	0.30			
120.00	g o c m 20g 30o 50m	1.14			
30.00	s g o c m 5g 25o 70m	0.42			
0.00	gas in pipe? no odor	0.00			
* Recovery from multiple tests					

Gas Rates					
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)		

Trilobite Testing, Inc Ref. No: 61496 Printed: 2015.07.06 @ 09:20:17



TOOL DIAGRAM

Palomino Petroleum Inc

31-20s-33w Scott, KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61496

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 16:25:15

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4517.00 ft Diameter:

0.00 ft Diameter: 120.00 ft Diameter: 3.80 inches Volume: 63.36 bbl 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.59 bbl 63.95 bbl Tool Weight: Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 98000.00 lb 0.00 ft

2500.00 lb

20.00 ft Drill Pipe Above KB: Depth to Top Packer: 4645.00 ft

Length:

Depth to Bottom Packer: ft Interval between Packers: 64.00 ft Tool Length:

92.00 ft

Total Volume:

Tool Chased String Weight: Initial 54000.00 lb

Final 55000.00 lb

Number of Packers:

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4618.00		4//2/4/4
Shut In Tool	5.00			4623.00		
Hydraulic tool	5.00			4628.00		
Jars	5.00			4633.00		
Safety Joint	3.00			4636.00		
Packer	5.00			4641.00	28.00	Bottom Of Top Packer
Packer	4.00			4645.00		
Stubb	1.00			4646.00		
Recorder	0.00	6771	Outside	4646.00		
Recorder	0.00	8844	Inside	4646.00		
Perforations	24.00			4670.00		
Change Over Sub	1.00			4671.00		
Drill Pipe	32.00			4703.00		
Change Over Sub	1.00			4704.00		
Bullnose	5.00			4709.00	64.00	Bottom Packers & Anchor

Total Tool Length:

92.00

Ref. No: 61496 Printed: 2015.07.06 @ 09:20:17 Trilobite Testing, Inc



FLUID SUMMARY

Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St Newton, KS 67114-8827

Crist Unit #1

Job Ticket: 61496

DST#:4

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 16:25:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length: ft
Cushion Volume: bbl

Water Salinity: 0 ppm

Viscosity: Water Loss: 48.00 sec/qt 10.32 in³ 0.00 ohm.m

Gas Cushion Type:

Gas Cushion Pressure: psig

Resistivity: 0.00 ohm.m Salinity: 5000.00 ppm Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	g m c o 25g 20m 55o	0.295
120.00	g o c m 20g 30o 50m	1.137
30.00	s g o c m 5g 25o 70m	0.421
0.00	gas in pipe? no odor	0.000

Total Length:

210.00 ft

Total Volume:

1.853 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Location:

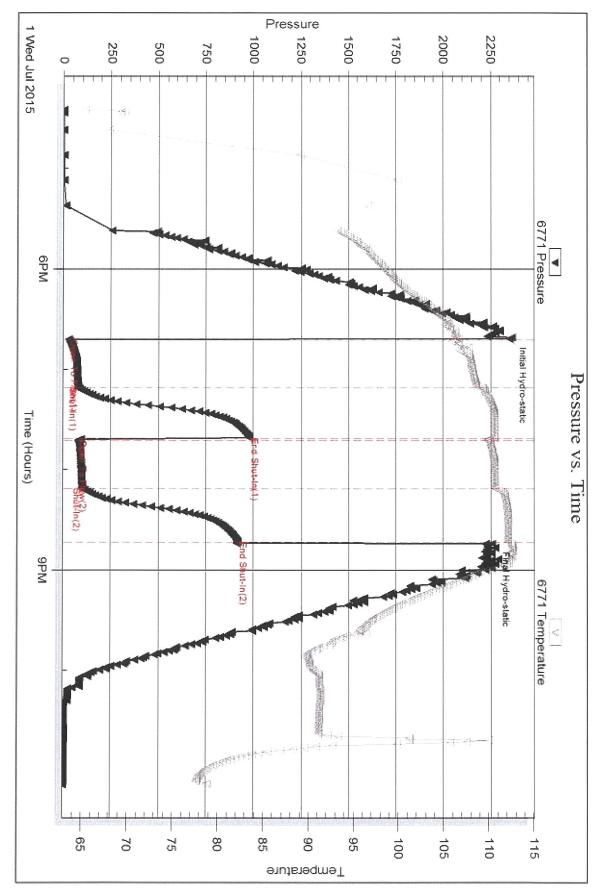
Laboratory Name: Recovery Comments:

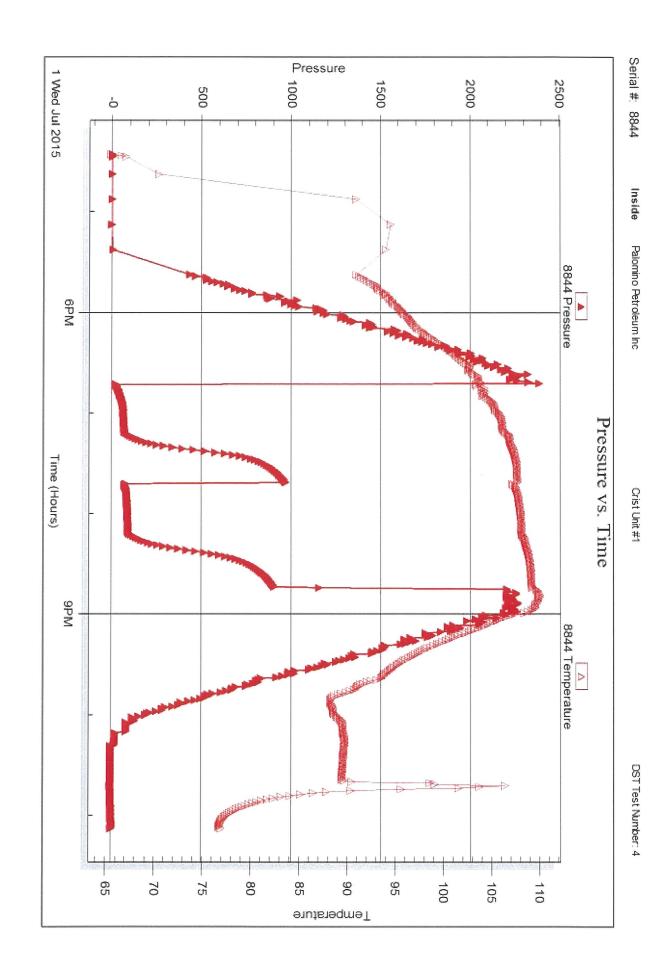
Trilobite Testing, Inc Ref. No: 61496 Printed: 2015.07.06 @ 09:20:18

Printed: 2015.07.06 @ 09:20:18

Serial #: 6771

Crist Unit #1





Tritobite Testing, Inc.

Ref. No:

61496



Prepared For:

Palomino Petroleum Inc

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date:

2015.07.02 @ 22:28:20

End Date:

2015.07.03 @ 04:35:20

Job Ticket #: 61498

DST#: 5

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum Inc

31-20s-33w Scott, KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1 Job Ticket: 61498

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

Formation:

Johnson

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 00:17:50

Shane McBride

Time Test Ended: 04:35:20

Unit No:

Tester:

2957.00 ft (KB)

Interval: Total Depth: 4500.00 ft (KB) To 4644.00 ft (KB) (TVD) 4865.00 ft (KB) (TVD)

Reference Elevations: 2952.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 6771 Press@RunDepth: Outside

64.07 psig @

4501.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.07.02 22:28:35

End Date: End Time: 2015.07.03 04:22:20 Last Calib.: Time On Btm: 2015.07.03

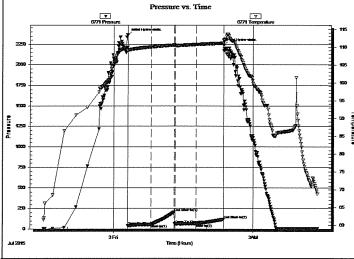
2015.07.03 @ 00:17:35

Time Off Btm:

2015.07.03 @ 02:21:50

TEST COMMENT: 1" blow

No return No blow No return



PRESSURE SUMMARY Annotation Time Pressure Temp (Min.) (deg F) (psig) 2358.06 109.98 Initial Hydro-static 0 1 37.05 109.00 Open To Flow (1) 31 55.45 110.06 Shut-In(1) 206.30 61 110.57 End Shut-In(1) 62 58.68 110.43 Open To Flow (2) 64.07 89 110.73 Shut-In(2) 124 117.03 End Shut-In(2) 111.10 125 2234.97 111.99 Final Hydro-static

Recovery Length (ft) Description Volume (bbl) 60.00 mud 100%m 0.30

Gas Rates Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

* Recovery from multiple tests

Ref. No: 61498

Printed: 2015.07.06 @ 09:19:51



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St

New ton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

Job Ticket: 61498

DST#: 5

Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

Formation:

Johnson

Deviated: No \\
Time Tool Opened: 00:17:50

Time Test Ended: 04:35:20

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Shane McBride

Unit No: 84

_ .

Reference Elevations: 2957.00 ft (KB)

2952.00 ft (CF)

KB to GR/CF: 5.00 ft

Interval:

Hole Diameter:

4500.00 ft (KB) To 4644.00 ft (KB) (TVD)

Total Depth: 4865.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8353 Press@RunDepth: Below (Straddle)

psig @

4669.00 ft (KB)

0.45 05 00

Capacity:

8000.00 psig

Start Date: Start Time: 2015.07.02

End Date:

2015.07.03

Last Calib.: Time On Btm: 2015.07.03

22:28:53

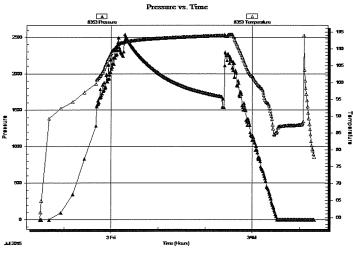
End Time:

04:18:53

Time Off Btm:

TEST COMMENT: 1" blow

No return No blow No return



Time (Min.) (psig) (deg F) Annotation

Recovery

Length (ft)	Description	Volume (bbl)	
60.00	mud 100%m	0.30	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 61498 Printed: 2015.07.06 @ 09:19:51



Palomino Petroleum Inc

31-20s-33w Scott,KS

4924 SE 84th St

Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

Job Ticket: 61498

DST#: 5

Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

Time Tool Opened: 00:17:50

Time Test Ended: 04:35:20

Formation:

Interval:

Johnson

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Shane McBride

Unit No:

84

2957.00 ft (KB)

Reference Elevations:

2952.00 ft (CF)

KB to GR/CF:

5.00 ft

Total Depth: Hole Diameter: 4865.00 ft (KB) (TVD)

7.88 inchesHole Condition: Fair

Serial #: 8844 Press@RunDepth: Inside

psig @

4500.00 ft (KB) To 4644.00 ft (KB) (TVD)

4501.00 ft (KB)

2015.07.03

Capacity:

8000.00 psig

Start Date:

2015.07.02

End Date:

Last Calib.:

2015.07.03

Start Time:

22:29:06

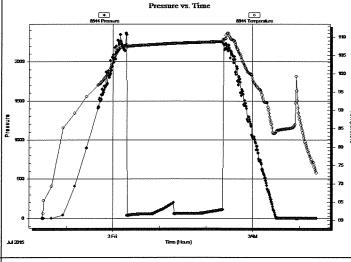
End Time:

04:21:36

Time On Btm: Time Off Btm:

TEST COMMENT: 1" blow No return

No blow No return



PRESSURE SUMMARY Pressure Temp Annotation

	(Min.)	(psig)	(deg F)	Amotation	
Temperature					
			:		

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100%m	0.30
* Recovery from mul	tiple tests	

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 61498

Printed: 2015.07.06 @ 09:19:52



TOOL DIAGRAM

Palomino Petroleum Inc

31-20s-33w Scott, KS

4924 SE 84th St Newton, KS 67114-8827 Crist Unit #1

Job Ticket: 61498

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2015.07.02 @ 22:28:20

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4363.00 ft Diameter:

0.00 ft Diameter: 120.00 ft Diameter: 3.80 inches Volume: 61.20 bbl 0.00 inches Volume: 2.25 inches Volume:

0.00 bbl 0.59 bbl 61.79 bbl

Tool Weight: Weight set on Packer: 30000.00 lb

2500.00 lb Weight to Pull Loose: 95000.00 lb

Drill Pipe Above KB: 8.00 ft Depth to Top Packer: 4500.00 ft

Length:

Depth to Bottom Packer: Interval between Packers: 364.00 ft Total Volume:

Tool Chased String Weight: Initial 60000.00 lb

0.00 ft Final 60000.00 lb

Tool Length: 389.00 ft

Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4476.00		VANTAS NAVA
Shut in Tool	5.00			4481.00		
Hydraulic tool	5.00			4486.00		
Jars	5.00			4491.00		
Packer	5.00			4496.00	25.00	Bottom Of Top Packer
Packer	4.00			4500.00		
Stubb	1.00			4501.00		
Recorder	0.00	6771	Outside	4501.00		
Recorder	0.00	8844	Inside	4501.00		
Perforations	5.00			4506.00		
Change Over Sub	1.00			4507.00		
Drill Pipe	126.00			4633.00		
Change Over Sub	1.00			4634.00		
Perforations	5.00			4639.00		
Blank Off Sub	1.00			4640.00		
top of s. packer	3.00			4643.00		
straddle packer	0.00			4643.00		
Stubb	1.00			4644.00		
Packer - Shale	4.00			4648.00		
Stubb	1.00			4649.00		
Anchor	19.00			4668.00		
Change Over Sub	1.00			4669.00		
Recorder	0.00	8353	Below	4669.00		
Drill Pipe	189.00			4858.00		
Change Over Sub	1.00			4859.00		
Bullnose	5.00			4864.00	364.00	Bottom Packers & Anchor

Trilobite Testing, Inc

Total Tool Length:

Ref. No: 61498

389.00

Printed: 2015.07.06 @ 09:19:55



FLUID SUMMARY

Palomino Petroleum Inc

31-20s-33w Scott,KS

Crist Unit #1

4924 SE 84th St Newton, KS 67114-8827

Job Ticket: 61498

DST#+5

ATTN: Andrew Stenzel

Test Start: 2015.07.02 @ 22:28:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight:

9.00 lb/gal

Cushion Length:

ft Water Salinity:

0 ppm

Viscosity:

48.00 sec/qt 9.58 in³ Cushion Volume: Gas Cushion Type: bbl

Water Loss: Resistivity:

0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 6500.00 ppm 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbi
60.00	mud 100%m	0.295

Total Length:

60.00 ft

Total Volume:

0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

Laboratory Name:

Laboratory Location:

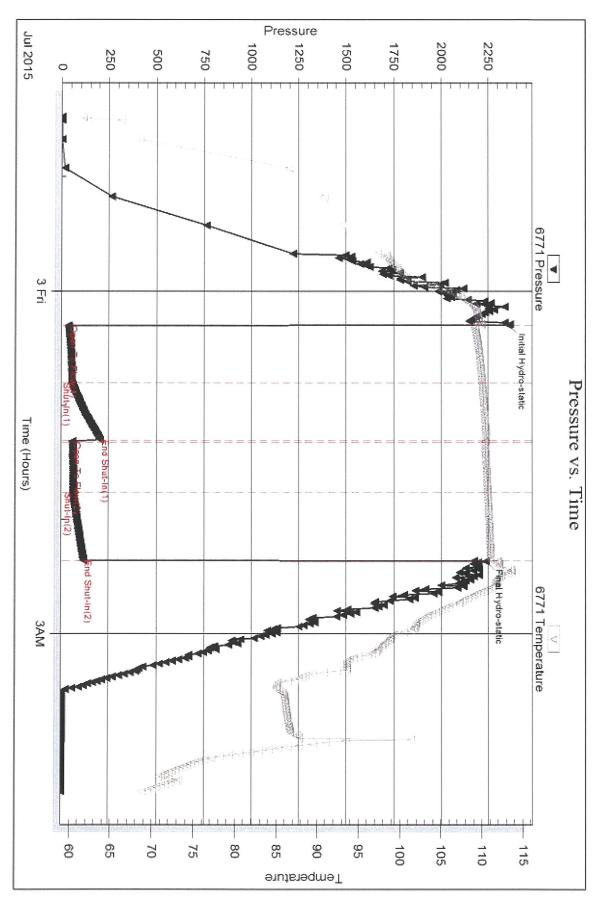
Recovery Comments:

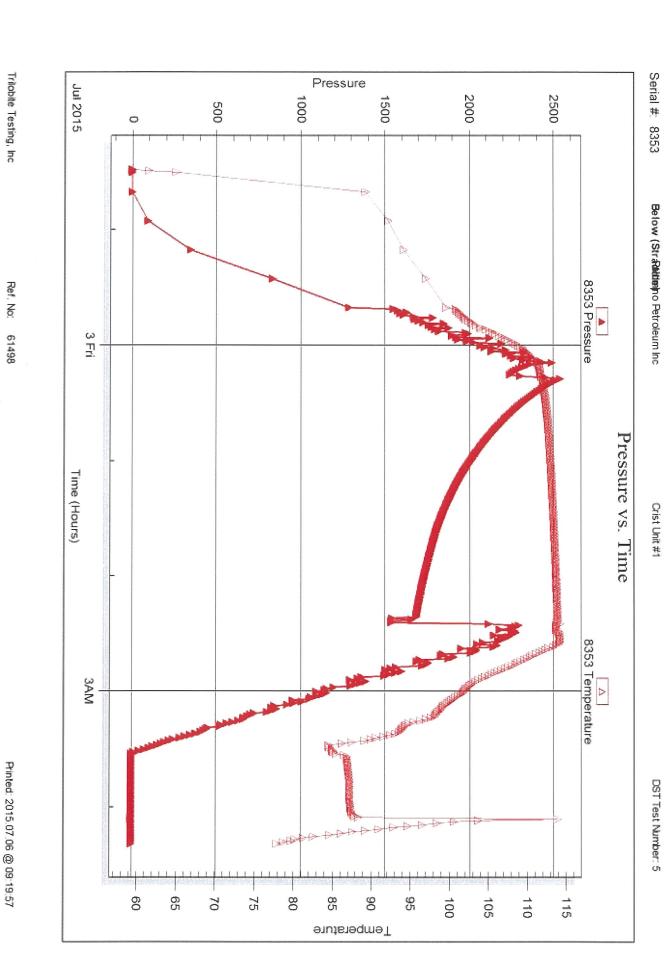
Trilobite Testing, Inc Ref. No: 61498 Printed: 2015.07.06 @ 09:19:55

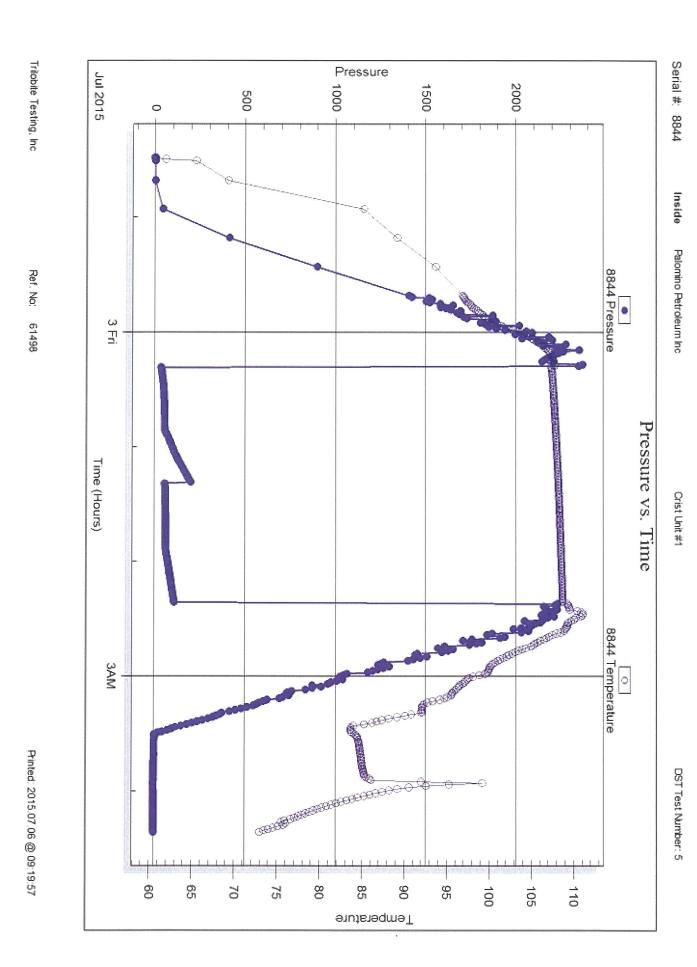


Printed: 2015.07.06 @ 09:19:57

Serial #: 6771









Test Ticket

NO.

61493

			·····				
Well Name-&-No.	1257 A	w/ #		Test No.	#/		9/15
Company 4/0	nmo Re	troleus				кв;2°	ラン GL
Address 4924					8827		
Co. Rep / Geo.	. /	Step 2	/ /		W#10		
Location: Sec.		,			. 1	State 7	<i>C</i> 5
Interval Tested 4		·	······································	Marmo	Ann		
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Mud Wt. 2	3
Anchor Length				4202	**************************************		
Top Packer Depth				Run 120		Vis	1
Bottom Packer Depth						WL 10.	
Total Depth	. ,	4433	Chlorides	5000	_ppm System	LCM #2	
Blow Description				ordered selection in the selection of th			1800 international designation (in the principal polaries)
$\overline{D}$	10 nes	17					
	15, IN	-23 n	1/ <del>1</del> /	The first beautiful and the second of the se			
Rec //	a setu.			10 -	<u> </u>		V-01/000 to a tradition (Blandschools Residence dell'abbance) dell'encessor dell'
- 1 - 1	Feet of COC			/ 0 %gas	90 %il	%water	%muc
	Feet of SGC			/ / %gas	40 %il	%water	50 %mud
	Feet of GC	<u> </u>		/ <u>/ %gas</u>	30 %oil	%water	€65 %mud
Rec	Feet of	.1 /	100	%gas_	%oil	%water	%mud
Rec				%gas	%oil	%water	%mud
Rec Total // S  (A) Initial Hydrostatic_			_Gravity <u>33</u>			F Chlorides	
	2		Test25	Λ		Location 64/10	
(B) First Initial Flow_		7	Jars		The state of the s	ted <u>05:35</u>	
(C) First Final Flow	-0	<u>'</u>	Safety Joint_	-/-	in market and a second	n <u>07:45</u> ed <u>/0:45</u>	
(D) Initial Shut-In		3	Circ Sub/			12:55	
(E) Second Initial Flow			☐ Hourly Standi	4 🗂		nents	
(F) Second Final Flow		<u></u>	Mileage 4/7	RT 1	h		
(G) Final Shut-In	_		☐ Sampler				
(H) Final Hydrostatic_		5.5	☐ Straddle		O R	uined Shale Packer_	
			☐ Shale Packer			uined Packer	
Initial Open 30			☐ Extra Packer	600-19-160-1900 to the distribution distribution and surface that a state of the desired contents of a concession of		ktra Copies	
Initial Shut-In 30			☐ Extra Recorde	er		otal 0	
		The commence of the second of	☐ Day Standby	Martin Carlos Ca	Total	1522	
Final Shut-In 40	i i i i i i i i i i i i i i i i i i i	di none indonessa anti anti anti anti anti anti anti ant		~	MP/C	ST Disc't	
1	,	, 1	Sub Total 15:	<b>4 4</b>			AD.
Approved By	La ghe		***************************************	Our Representativ	/e	212	45l
Trilobite Testing Inc. shall not be equipment, or its statements or o	Hable for damaged of an opinion concerning the re	rkind of the property o sults of any test, tools	ir personnel of the one for wi lost or damaged in the hole :	hom a test is made, or for shall be paid for at cost by	any loss suffered or sus the party for whom the	tained, directly or indirectly, the test is made.	rough the use of its



# RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

#### **Test Ticket**

NO. 61494

		***************************************			
Well Name & No. Crist Un	F1 #1	Test No	#2	Date 6/30/	5
Company Alomino Retro				KB 295-	ス GL
Address 4924 SESCITA					Pallin I Filal onlyberght/school (chysician
Co. Rep/Geo. Andrew St.	enzel '	Rig W	W#10		<b>)</b>
Location: Sec. 3 / Twp. 0	20 Rge. 33		<u> </u>	State <u>K</u>	
Interval Tested 4430	1516 Zone Tested	Pawnee,	Ff Scot	<del>L</del>	
Anchor Length	86 Drill Pipe Run	4295'	Mu	d Wt. 9,3	
Top Packer Depth	425 Drill Collars R	un <u>/20'</u>	Vis	55	1884 Martin and Santa Sant
Bottom Packer Depth 4	430 Wt. Pipe Run		WL	10.4	efectation reconstructors consistency and
Total Depth	S/Co Chlorides	5000 ppm	System LC	M #2	
Blow Description 14 w blow	w doed on	2/min			Marine - Marine and the state of the second
Mo retu	nn				nonger er eine ger er eine stade noch er eine stade.
no blow				recommended to the company of the co	
The return	V			traver non-record commends commends comments and an action and action and actions and actions and actions and actions and actions are actions as a second comments are actions as a second comment and actions are actions as a seco	
Rec Feet of March		%gas	%oil	%water /	00 %mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total BHT		API RW@	F CI	nlorides	ppm
(A) Initial Hydrostatic 2202	,			tion <u>60:10</u>	<b>)</b>
(B) First Initial Flow	²⁵⁰ Jars			00:30	
(C) First Final Flow 24	Safety Joint _	75 ————————————————————————————————————		22:35	enterentent enterente altro de la calculation de
(D) Initial Shut-In /25	/ <u>X</u> 0 Circ Sub/	1/c		04:35	
(E) Second Initial Flow23	Hourly Standb	) ) )		6:40	
(F) Second Final Flow27	Mileage 47	2RT 47		windowski state in Constitution of Jacob Polishor Charles and Constitution	
(G) Final Shut-In 83	ľ		proprietable 11 127 of 127 mediates contain	Manadali 1 - 1794 - 11 - 127   1380 alli I bolillobalos delos qu	
(H) Final Hydrostatic 2137				I Shale Packer	
				l Packer	
Initial Open <u>36</u>				Copies	
Initial Shut-In_36		).r	- Lantice C		POSTER TORREST MARKET BENEFIT MARKET THE TANKET MARKET THE TANKET MARKET THE TANKET MARKET THE TANKET THE TANK
Final Flow <u>36</u>			-	522	
Final Shut-In <u>3</u> ŏ			MP/DST I	Disc't	
	Sub Total				7
Approved By	***************************************	Our Representative		V1/S	

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, through the use of the 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.

1515 Commerce Parkway • Hays, Kansas 67601

#### **Test Ticket**

NO. 61495

Well Name & No. 11 / La A #		Test No.	5	)ate 7/1//	5
Company follows to testers	in tre	Elevation	957	KB 285	GL GL
Address # 224 5E 84 51	Neuton, L.5				
Co. Rep / Geo. Andrew trize	, .		W#/C		
Location: Sec. 3/ Twp. 20		Co. 500	4	State 🔰	<u> </u>
Interval Tested 41045 4167			Saral		
Anchor Length				d Wt. 2	3
Top Packer Depth 4696				48	
Bottom Packer Depth 4/69				10.	
Total Depth		Ppm ppm		M :#2	
Blow Description September 10/03	is died in	12 m	5N		
The strin	/				
Ma blow	7				e Committee (notes sur exemplateres introductions)
Mo etc	wal		a Committee of the control of a symmetric median and transfer and the control of	овительной меренов по том по предоставля дост в досто по	d description of control of the cont
Rec 2' Feet of Miles		%gas	%oil	%water	100 %mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total BHT /// d	Gravity A	PIRW@	F CI	nlorides	ppm
(A) Initial Hydrostatic 3293		-	T-On Local	ion 02:10	>
(B) First Initial Flow	250 Jars	Company Company of the Section Company Company of the Company of t		0212	The state of the s
(C) First Final Flow	Safety Joint 75	<b>maniform</b> ing-in-physiosystocycocycocycocycocycles (1955 (1955) (1944 action and decided Harman action devides	T-Open	541:33	ernennet rejeksississississississississississississis
(D) Initial Shut-In 30	. (C) Circ Sub 11/0		-	36133	and the hardward their frame processors to distribute their the conduction.
(E) Second Initial Flow 23	☐ Hourly Standby			8;25	
(F) Second Final Flow 22	Mileage 47 RT		Comments		·/
(G) Final Shut-In 27	☐ Sampler		er Montole Milani (1976- inegrolani gene		e deservi dei reci e i addici i scribici i michaelengogo.
(H) Final Hydrostatic 2249	☐ Straddle				
-	Shale Packer 25			Shale Packer	
Initial Open <u>3</u> 3	/			Packer	
Initial Shut-In 30				Copies	
Final Flow 30				772	Bellelene ener ener och enen ener och enen ener ener ener ener ener ener ene
Final Shut-In 30	500 de la companya del la companya de la companya d			Disc't	
	Sub Total	mprondingslands rooms was to high dimension to a place a pit course of a secure of the artificial money.	WIF7D3TT	1001	-1-
Approved By		Representative<	Sin	[//[/XW	4

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.



## RILOEITE ESTING INC.

**Test Ticket** 

1515 Commerce Parkway • Hays, Kansas 67601

NO. 61498

4770 1, 3						
Well Name & No.	A blast at	41	Test No		ate 7/1/	15
Company Alow No	Letrolen.			2957		
Address 4924 SE	8415st	Newton ,	1/	14-882		
Co. Rep / Geo fordora	/	1	Rig W	w #/6	2	•
Location: Sec. 31	·	Rge. 33	Co <	scott	State	Li
Interval Tested 1615	470 P	Zone Tested 🗸	Lower to.	To NOW	sand	
Anchor Length		•	4517		d Wt	.3
Top Packer Depth	4640		n <u>/20</u> ′		4/8	البحد
Bottom Packer Depth		Wt. Pipe Run			10, 4	/
Total Depth	4709	Chlorides	<i>5000</i> pr			No.
Blow Description $B.o.7$	3. in 29	lan-rail*				
1/10	rection					- All time of all times are again
-ROB. 5	N 12 mm	1.				
Leturn blow	o in Smal	bustt to	I'm die	d back	to a Su	Sacr bi
Rec36 Feet of 3	sgoin		5 %gas	25 %oil	%water	70 %muc
Rec <u>126</u> Feet of C	goon	***************************************	20 %gas	30 %oil	%water	50%mu
Rec Feet of <u>Y</u>	g mco		25 %gas	55‰il	%water	20%mu
Rec Feet of		<i>(</i> )	%gas	%oil	%water	%muc
RecFeet o	GAS IN 8, PE	TNo oder	%gas	%oìl	%water	%muc
Rec Total 210	BI-T //3"	Gravity	API RW	@F CI	nlondes	ppn
(A) Initial Hydrostatic	2349	Test1150	·	T-On Locat	ion 155 4	45
(B) First Initial Flow	27	250 Jars 250		T-Started _	16:25	
(C) First Final Flow	77	Safety Joint	75	T-Open	18949	
(D) Initial Shut-In	189	Circ Sub N	<u>/e</u>	T-Pulled		
E) Second Initial Flow	79	← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	1		13/30	
F) Second Final Flow	100	Mileage 47 /2	47	Comments	**************************************	
G) Final Shut-In	920	(			the state of the s	
(H) Final Hydrostatic	2257	☐ Straddle		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Shale Packer	ene menen kiri kukunun denemingan) menjelah digibi indonessi cika-
_	·	Shale Packer_	250	— □ Ruined — □ Ruined	ววั	0
nitial Open <u>3</u> o	ner territorie metaroni e sincon con esta de la constanta de distribución de del del constanta con constanta de la constanta d	/ V				Property and the second
nitial Shut-In <u>3</u> 5				Sub Total	320	de Marie (Colonia de Caración
Final Flow30				2	092	
Final Shut-In <u>30</u>		☐ Accessibility _		MP/DST (	Digc't	
,	1	Sub Total177:	•			
Approved By	2/1/	C	Our Representative			500

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.



### **Test Ticket**

1515 Commerce Parkway • Hays, Kansas 67601

NO. 61498

Well Name & No. Crist Unit	4/	Test No. ##	5	Date 2/3/	15
Company found tely	aleun Fore	Elevation	1957	KB 290	-2 GI
Address 4924St 8414St	Newton	S 421	14-0	98	
Co. Rep/Geo. Hallien ten	sel "	Rig W	N#10		
Location: Sec. 3 Twp. 20	Rge33	co. Scot	t	State	5
Interval Tested \$1500 \$165	/			The same of the sa	
Anchor Length /4/24	,	4	Mı	ud Wt. $\sim$	
Top Packer Depth 4495 450				s 48	www.common.common.com
Bottom Packer Depth 4644 464				24	William State of the Control of the
Total Depti (221 TailFRe) 486				M #2	
Blow Description / blow		PPIII .	Oysiem LC	/IVI	A Standard Manager
Mo retur				ann an deige <del>an air an de</del> ige an deige ann dàr ann a <del>air an an air an dùtha an</del> à deige ann ann an air an air an	
yhi blow,		and the second section of the second section is a second section in the section is a second section in the section is a second section in the second section is a second section in the section is a section in the section is a section in the section is a section in the section in the section is a section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section in the section in the section is a section in the section in the section in the section is a section in the section in the section in the section is a section in the sectio	And the second s		VV is the angelong open signals for the supplication of the same page.
The return	1000	Bilde and manufacture of the second plant to the second second and the second second second and an exemption o		ekalyand _a lah penjadakakan penjaman sajah penjambah dia dia man <del>gkalam</del> Persa anam sementah penjagan	Charles and the Control of the Contr
Rec (00' Feet of Much		%gas	%oil	%water /	∕∕∕ %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		%gas	%oil	%water	%mud
Rec Total (00' BHT ///	Gravity AP	IRW @	—°F CI	lorides	
A) Initial Hydrostatic 235	Test 1150		T-On Locat	ion 2/150	
3) First Initial Flow3	∑ Jars		T-Started 2	22128	
C) First Final Flow	Safety Joint 75			0:15	ne-re-lanamounum-re-reseaucennessen wir ablähelijdeli.
D) Initial Shut-In 20C	Circ Sub NC			12:15	
E) Second Initial Flow	☐ Hourly Standby			4:35	
F) Second Final Flow	Mileage 42RT	47	Comments		
G) Final Shut-In	☐ Sampler	alakinggapan paman ununun menerandan selahahan 1888 delem den selahan 1888 delem den selahan 1888 delem den se	April (Application and the contraction and	Appropriate the second	nggangangannaganna mananas is saturate addictionab
2724	Straddle 600		N Buine	d Shale Packer	350
H) Final Hydrostatic	Shale Packer	١		d Packer	
nitial Open <u>30</u>	Extra Packer	200	☐ Extra (		TOWNSHIP TO THE PROPERTY OF TH
nitial Shut-In 30	Extra Recorder		Sub Total	250	With the second control of the second contro
	☐ Day Standby		Total	3172	
Final Flow 30	☐ Accessibility		MP/DSJ	Disc't	<del></del>
-mai Shut-m	2822 Sub Total			MIL	
A and Dir		Representative		KU 35	



Prepared For: Palomino Petroleum

4924 SE 84th ST Newton KS 67114

ATTN: Ryan Seib

B & F Ottley #1

31-13s-30w Gove,KS

Start Date: 2015.06.29 @ 01:09:15 End Date: 2015.06.29 @ 06:47:00 Job Ticket #: 61433 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



Palomino Petroleum

31-13s-30w Gove, KS

4924 SE 84th ST Newton KS 67114 B & F Ottley #1

Job Ticket: 61433

DST#: 1

Test Start: 2015.06.29 @ 01:09:15 ATTN: Ryan Seib

#### GENERAL INFORMATION:

Time Tool Opened: 02:58:00

Time Test Ended: 06:47:00

Formation:

LKC H-I

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Mike Roberts

Unit No:

Tester:

65

Reference Elevations:

2788.00 ft (KB)

2783.00 ft (CF)

KB to GR/CF:

5.00 ft

Total Depth: Hole Diameter:

Interval:

3985.00 ft (KB) To 4054.00 ft (KB) (TVD)

4054.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8737 Press@RunDepth: Outside

43.71 psig @

3990.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.06.29 01:09:15

End Date: End Time:

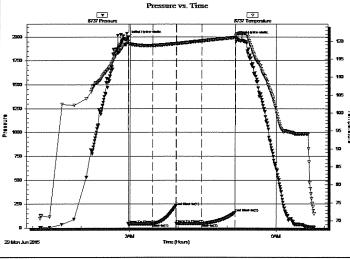
2015.06.29 06:47:00 Last Calib.:

2015.06.29

Time On Btm: Time Off Btm: 2015.06.29 @ 02:57:45 2015.06.29 @ 05:10:00

TEST COMMENT: IF:Built to wealk surface blow

IS:No return blow FF:No blow FS:No return blow



	PRESSURE SUMMARY							
Ī	Time	Pressure	Temp	Annotation				
20	(Min.)	(psig)	(deg F)					
15	0	1996.52	119.98	Initial Hydro-static				
_	1	41.81	119.28	Open To Flow (1)				
10	31	41.95	118.81	Shut-In(1)				
15	59	227.92	119.34	End Shut-In(1)				
o ≓	60	44.03	119.32	Open To Flow (2)				
Temperature	91	43.71	120.08	Shut-In(2)				
. 5	132	159.22	121.05	End Shut-In(2)				
	133	1986.67	121.58	Final Hydro-static				
•								
•								
\$								
,								

#### Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud w ith oil spots	0.01

Gas Rates					
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)		

Trilobite Testing, Inc Ref. No: 61433 Printed: 2015.07.03 @ 09:26:20