

Confidentiality Requested:

Yes No

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1259663

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:	SecTwpS. R				
Address 2:	Feet from				
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.xxxxxxx)				
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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No  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  Plug Back Conv. to GSW Conv. to Producer  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)  Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:				
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:				
GSW Permit #:	Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter         Sec.         Twp.         S. 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 III 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	B & F Ottley 1
Doc ID	1259663

## Tops

Name	Тор	Datum
Anhy.	2241	(+547)
Base Anhy.	2267	(+521)
Heebner	3821	(-1033)
Toronto	3844	(-1056)
Lansing	3863	(-1075)
Muncie Creek	4007	(-1219)
Stark	4097	(-1309)
Hushpuckney	4134	(-1346)
BKC	4170	(-1382)
Marmaton	4201	(-1413)
Pawnee	4291	(-1503)
Ft. Scott	4349	(-1561)
Cherokee Sh.	4377	(-1589)
Miss.	4449	(-1661)
LTD	4595	(-1807)



#### **REMIT TO**

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

MAIN OFFICE

JUL 0 7 2015 P.O.Box884

Chanute,KS 66720 620/431-9210,1-800/467-8676 Fax 620/431-0012

Invoice# 804713

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

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827 USA

BAND F OTTLEY #1

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	25.000	5.2500	25.000	98.44
CE0711	Minimum Cement Delivery Charge	1.000	430.0000	25.000	322.50
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
			Subtotal  Discounted Amount  SubTotal After Discount		5,292.80
					1,323.20
					3,969.60

Tax:

Total: 4,161.67

192.06



DATE CUSTOMER# WELL NAME & NUMBER SECTION TOWNSHIP RANGE COLUMNSTATE SECTION TOWNSHIP		nanute, KS 667 or 800-467 <b>-</b> 8676			CEMEN	TAILIAT IZEF	UIX I		
CONTROL OF THE COLOR OF THE COL			WEL	L NAME & NU			TOWNSHIP	RANGE	COUNTY
ANLING ADDRESS  TRUCK B DRIVER TRUCK		<u>6285</u>	BandF	ottley		. 31	13	30	Gove
ASLING ADDRESS  STATE ZIP CODE  TUBING  OTHER  WATER GAI/SK  CEMENT LEFT IN CASING  RATE  LURRY WEIGHT  SEMANKS: S.	USTOMER	Dalanie	\C\	•	Oran C.	TRUCK#	DRIVER	TRUCK#	DRIVER
STATE ZIPCODE  STATE	AILING ADDRE	SS	<u> </u>	<del>-</del>	E Vanile				DINIVER
STYPE SUPPOSE  BETYPE SUPPOSE  BETYPE SUPPOSE  BOBIL PIPE  TUBING  OTHER  LURRY WEIGHT  SLURRY W					s into		RILL		
ASING DEPTH_218 DRILL PIPE TUBING OTHER  LURRY WEIGHT SLURRY VOL WATER GAI/SK CEMENT LEFT IN CASING  ISPLACEMENT 12.6 DISPLACEMENT PSI MIX PSI RATE  EMARKS: Scotty menting Ric upon ww8- Run casing Preak circ Vietga with rig pump  took up to pump truck mix 165 con 38 cc. 2 % gul weshup ** Oisplace 12.6 BBL in  Shut in Rig down  Cernat Oid Circulate  APIGK 5 BBL to pit  Account Code Quantry or units DESCRIPTION of SERVICES or PRODUCT Unit PRICE TO  5 401 S I PUMP CHARGE FOR SCOUNT STATE TO MILEAGE TO SERVICES OF PRODUCT STATE TO MILEAGE	ITY		STATE	ZIP CODE			101		
ASING DEPTH_218 DRILL PIPE TUBING OTHER LURRY WEIGHT SLURRY VOL WATER GAI/SK CEMENT LEFT IN CASING ISPLACEMENT 12.6 DISPLACEMENT PSI MIX PSI RATE  EMARKS: Scottey meating. Ric upon ww8- Run casing Preak circ Viction with rig pump  leak up to pump truck mix 165 con. 38 cc. 29 gul weshup 10 isplace 12.6 B9L in  Shut in Rig down  Cement Did Circulate  APICK 5 BBL to pit  Account Code  QUANTY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE TO  SHOL 25 MILEAGE  FULL 5.25 13  SHOT 7.76 Ton mileage Palivery Centre  104 5 165 sts Class A count Code 18.55 306  102 465 Class A count Code 25 94 413  118 B 310 T Bentanite (gal)  Subtatal 529  25% lass 1.32  Subtatal 396  SALESTAX 18									
LURRY WEIGHT  SPLACEMENT 12.6  DISPLACEMENT PSI  MIX PSI  RATE  RA	DB TYPE Su	rface	HOLE SIZE(	2 /4	 HOLE DEPTI	1218	CASING SIZE & V	WEIGHT & 5/c	23
SPLACEMENT 12.6 DISPLACEMENT PSI MIX PSI  MARKS: Screy marting, Rig upon ww8- Run casing preak circulation with rig pump  look up to pump truck mix 165 cone 36 ce 29 gul weekup 10 icplace 12.6 BBL is shut in Rig down  Cement Did Circulate  APPOR 5 BBL to pit  ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TO  STYLE TO TO MILEAGE TO TO MILEAGE TO TO TO MILEAGE TO MIL	ASING DEPTH_	218	DRILL PIPE		TUBING			OTHER	
EMARKS: Saftey meating Rig upon ww8- Run casing Break circulation with rig pump look up to Pump truck mix 165 con. 36 cs. 29 gal washup 10 isplace 126 BBL whit in Rig down  Cement Did Circulate  RP(ok 5 BB) to pit  ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TO CODE 150, 5 115 (40) \$ 1 PUMP CHARGE (2047) \$ 1.50, 5 115 (40) \$ 7.76 Ton mile age Polivery (2011) \$ 1.75 43 (40) \$ 1.55 sks Class A coment (2000) \$ 18.55 306 (2002) \$ 18.55 3			SLURRY VOL_		_ WATER gal/s	sk	CEMENT LEFT in	CASING	
Cement Did Circulate  APICA 5 BBL to pit  ACCOUNT CODE QUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TO CODE 150, 5 115  4401 2 1 PUMP CHARGE 15.25 13  4407 7.76 Ton mileage Dalivery 11.75 43  1045 165 sks Class A conunt 1880 A 18.55 306  102 465 # Calain Chloride 16325 .94 43  118 B 310 # Bentanite (gal) 15025 .27 8  25 6 1251 .32  25 6 1251 .32  25 6 1251 .33	SPLACEMENT	12,6	DISPLACEMEN	T PSI	MIX PSI		RATE		
Theology of the polytocology of the property o	EMARKS: 5c	ftey mestin	s Rigup	on mm8.	- Run casi.	ng Break c	irculation u	Jith rig pi	ump
Cement Did Circulate  APIGK 5 BBL to DIT  ACCOUNT QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TO  GODE 1 PUMP CHARGE (20450 150, 5 115  401 2	look up to	Pump tru	ick mix 16.	5 con.	36 cc. 29	egel warh	up & Display	2 12.6 E	181 water
ACCOUNT CODE  ACCOUNT CODE  QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TO  STOP 1 PUMP CHARGE  LOUIS 5.25 13  YOT 7.76 TON MILEAGE  OLIVERY CENTS  104 5 165 sts Class A cannot Coope  OLIVERY CENTS  OLIVERY CALLETTE  SUBJECT  SUBJECT  SUBJECT  SUBJECT  SALES TAX	hut in h	Kid gomu							
AFIGK 5 BBL to pit  ACCOUNT CODE  ACCOUNT CODE  OUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TO  SYOT  7.76  TON MILEAGE  FUND  1.75 43  104 5 165 sks  Class A coment  Calcium Chlorine  Cobbbs  18.55 306  18.55 306  Calcium Chlorine  Cobbbs  18.55 306  Calcium Chlorine  Cobbbs  Cobbs  Cob				T. Car	r				
Thenlet   Coly + Crew			Cenz	NP 1719	Lircula	te			
Color   QUANITY or UNITS   DESCRIPTION OF SERVICES OF PRODUCT   UNIT PRICE   TO									
Thenles									
Thenles	487, 1	F 001 L	ر اد						
ACCOUNT CODE   QUANTITY OF UNITS   DESCRIPTION OF SERVICES OF PRODUCT   UNIT PRICE   TO	U P COK	2 1310/ T	OPIT				TING	<u> </u>	Z. 1. 1
Pump charge	ACCOUNT	QUANTY	UNITO		DECEDIBITION -	S CEDWICES DE		11	
104 s   165 sks   Class A coment   Caso A   18.55 306     102		QUANTY	OF UNITS		JESCRIPTION OF	SERVICES OF PR	ABAABA		TOTAL
1997 7.76 Ton mileage Odlivery (EIII 1.75 43  104 5 165 sts Class A coment (E800 A 18.55 306  102 465 # Calcium Chloride (15375) .94 43  118 3 310 #: Bentanite (gel) (50105) .27 8  25 8 125 1.3 2  5 5 6 125 1.3 2  5 5 6 125 1.3 2  5 5 6 125 1.3 2		<u> </u>		<del> </del>	RGE		CEU-130	150,0	1150.00
104 5 165 sts Class A coment (6800 A 18.55 306 102 465# Calcium Chloride (65325) .94 43 118 Bentanite (gel) (50165) .27 8 25 6 125 1.32 5 4 total 529 5 SALESTAX							LEWIZ :	5.25	131.2
102	901	7.7	9	lon mi	leage Os	livory	LEOVII_	1.75	436.00
102		C1 F	1	01			Maria A		2010 1
118 3 310 # Bentanite (gel)   150165 ,27 8				1 2201	A coment	7	108800 H		
Sub total 529 25% iss 1.32 sub total 396		4657	1 E.			Я	(6534)		431.1
	118 13	3107	ν·	Bouton	ite byel	<u> </u>	CLEMES.	1 .27	83.10
								<u> </u>	
			,,,						
						•		1	
								1sus total	5.292.8
								25 % 1255	11, 3 23.2
					·			Isub total	13464.6
HOTO ES [IMA] EDE   ALL DE   A	n 2727								147.0
TOTAL	n 3/3/	11	~ /					10.00	4161.67

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.



#### REMIT TO

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

RECEIVED

MAIN OFFICE

JUL 1 0 2015

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

Fax 620/431-0012

804837 Invoice# Invoice

Invoice Date: 07/06/15 Net 30 Page Terms: 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET NEWTON KS 67114-8827 HOA

B & F OTTLEY #1

USA						
Part No	Description	======================================	Unit Price D	======== )iscount(%)	======== Total	
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	33.000	1,005.00	
CE0002	Equipment Mileage Charge - Heavy Equipment	25.000	7.1500	33.000	119.76	
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	33.000	442.20	
CC5829	Lite-Weight Blend V (60:40:4)	240.000	16.0000	33.000	2,572.80	
CC6075	Celloflake	60.000	3.0000	33.000	120.60	
				Subtotal	6,358.75	
			Discounted Amount		2,098.39	
			SubTotal After Discount		4,260.36	
==========	Amount Due 6,700.45 lf paid after 08/05/15					

Tax:

228.94

Total:

4,489.30



TILKET NUMBER	47979
LOCATION Onkley	Rs
FOREMAN Cory	laris,

PO Box 884, Cl 620-431-9210 c	nanute, KS 667 or 800-467-8676	<sub>20</sub> FIEI	LD TICKET	CEMEN	TMENT REP	#180483	17	Кs
DATE	CUSTOMER#		NAME & NUME		SECTION	TOWNSHIP	RANGE	COUNTY
7-2-15	6285	BIFOH	ey #1		31	13	30	GoveKs
CUSTOMER Palaning					TRUOK #	PDIVED.	TDUOK #	200/50
MAILING ADDRE	SS CONT	770		-	TRUCK#	Coly R.	TRUCK#	DRIVER
					693	Colin S		
CITY		STATE	ZIP CODE	1	613	0.14 2		
					!			
JOB TYPE P	VG	HOLE SIZE	7 7/8	J HOLE DEPTH	2240	CASING SIZE & W	/EIGHT	
	,				_		OTHER	
SLURRY WEIGH				skCEMENT LEFT in CASING				
				RATE				
	ftey meeting				ordered			
	J	<b>y</b>	*					
1. 50 sks	at 2,240		60140	Pozni	x 490 gel	14 Flos.	<u>cal</u>	
	at 1,350	2,				<u> </u>		
	at 270'	· · · · · · · · · · · · · · · · · · ·						
4. 10 sks	s at 40'							
30								
total of 240 sks. Wash up pump blines rig down								
			·····					
				· · · · · · · · · · · · · · · · · · ·	lha	nks Cory	+ Crew	
ACCOUNT CODE	QUANITY	or UNITS	DE	SCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
CE 0450			PUMP CHARG	E		<u>('</u>		1500.00
CE 0002	25		MILEAGE				7.15	178,75

		Thanks Cory	+ Crew	
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE 0450	/	PUMP CHARGE (1	1,500.9	1500.00
CE 0002	25.	MILEAGE	7.15	178,75
CE 0711	10.88	Conert Delivery Charge minimum	1.75	660. 5
	,			
CC 5829	240 skr.	Lite-Weight Bland 5 (V)	16.00	3,840.00
CC 6075	60#	Celloflake	3. <del>se</del>	180.5
	· · · · · · · · · · · · · · · · · · ·			
	•			
	4-40			
	^		sub total	6,358,75
			33% less	2,098.39
			sub total	4,260.36
	LATI		SALES TAX	228.94
Ravin 3737	July likely		ESTIMATED TOTAL	4489.30
AUTHORIZTION	VIII VIIIVIS	TITLE	DATE	

AUTHORIZTION \_\_\_\_\_\_ TITLE \_\_\_\_\_ DATE\_\_\_\_\_\_
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.



Palomino Petroleum

31-13s-30w Gove,KS

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

Job Ticket: 61433

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 01:09:15

#### GENERAL INFORMATION:

Formation:

Interval:

Total Depth: Hole Diameter: LKC H-I

Deviated: No Time Tool Opened: 02:58:00

Time Test Ended: 06:47:00

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Mike Roberts

Unit No:

65

Reference Elevations:

2788.00 ft (KB)

2783.00 ft (CF)

KB to GR/CF:

5.00 ft

Serial #: 8646 Press@RunDepth:

Inside

psig @

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

7.88 inches Hole Condition: Fair

3990.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.06.29

4054.00 ft (KB) (TVD)

End Date:

2015.06.29

Last Calib.:

2015.06.29

Start Time:

01:09:15

End Time:

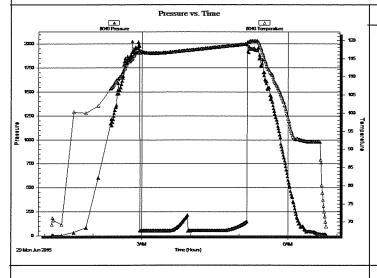
06:46:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to wealk surface blow

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



#### PRESSURE SUMMARY Pressure Temp Annotation

(Min.)	(psig)	(deg F)	7	

#### 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)

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



**TOOL DIAGRAM** 

Palomino Petroleum

31-13s-30w Gove, KS

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

Job Ticket: 61433

Tool Weight:

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 01:09:15

Tool Information

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3846.00 ft Diameter:

0.00 ft Diameter: 118.00 ft Diameter:

3.80 inches Volume: 53.95 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.58 bbl Total Volume:

Weight to Pull Loose: 90000.00 lb

1500.00 lb Weight set on Packer: 20000.00 lb

Final 62000.00 lb

54.53 bbl

Tool Chased

String Weight: Initial 62000.00 lb

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

7.00 ft 3985.00 ft

Depth to Bottom Packer: ft

Length:

Interval between Packers: 69.00 ft Tool Length: 97.00 ft

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			3958.00		, 11111/2-1211111111111111111111111111111
Shut In Tool	5.00			3963.00		
Hydraulic tool	5.00			3968.00		
Jars	5.00			3973.00		
Safety Joint	3.00			3976.00		
Packer	5.00			3981.00	28.00	Bottom Of Top Packer
Packer	4.00			3985.00		
Stubb	1.00			3986.00		
Perforations	4.00			3990.00		
Recorder	0.00	8646	Inside	3990.00		
Recorder	0.00	8737	Outside	3990.00		
Change Over Sub	1.00			3991.00		
Drill Pipe	32.00			4023.00		
Change Over Sub	1.00			4024.00		
Perforations	25.00			4049.00		
Bullnose	5.00			4054.00	69.00	Bottom Packers & Anchor

Total Tool Length: 97.00

Trilobite Testing, Inc Ref. No: 61433 Printed: 2015.07.03 @ 09:26:21



**FLUID SUMMARY** 

Palomino Petroleum

31-13s-30w Gove,KS

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

Job Ticket: 61433

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 01:09:15

#### **Mud and Cushion Information**

Mud Type: Gel Chem

0.00 lb/gal

Cushion Type:

Oil API:

0 deg API

Mud Weight: Viscosity: 9.00 lb/gal

Cushion Length: ft
Cushion Volume: bbl

Water Salinity: 0 ppm

DST#:1

Water Loss:

55.00 sec/qt 7.94 in³ 0.00 ohm.m

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: Salinity: Filter Cake:

2000.00 ppm 1.00 inches

### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
2.00	mud with oil spots	0.010

Total Length:

2.00 ft

Total Volume:

0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs:

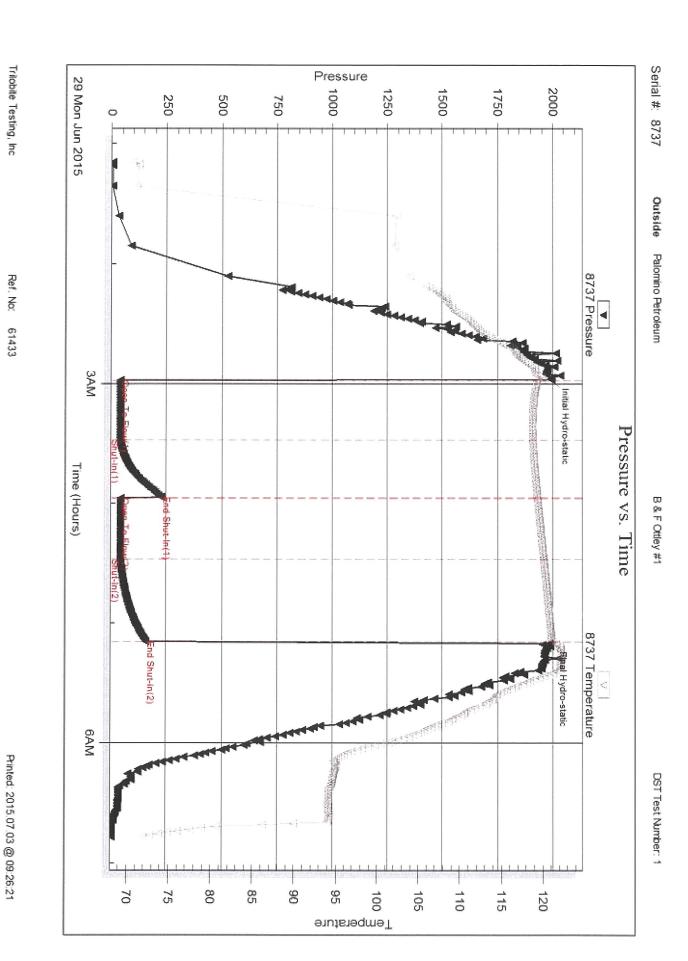
Serial #:

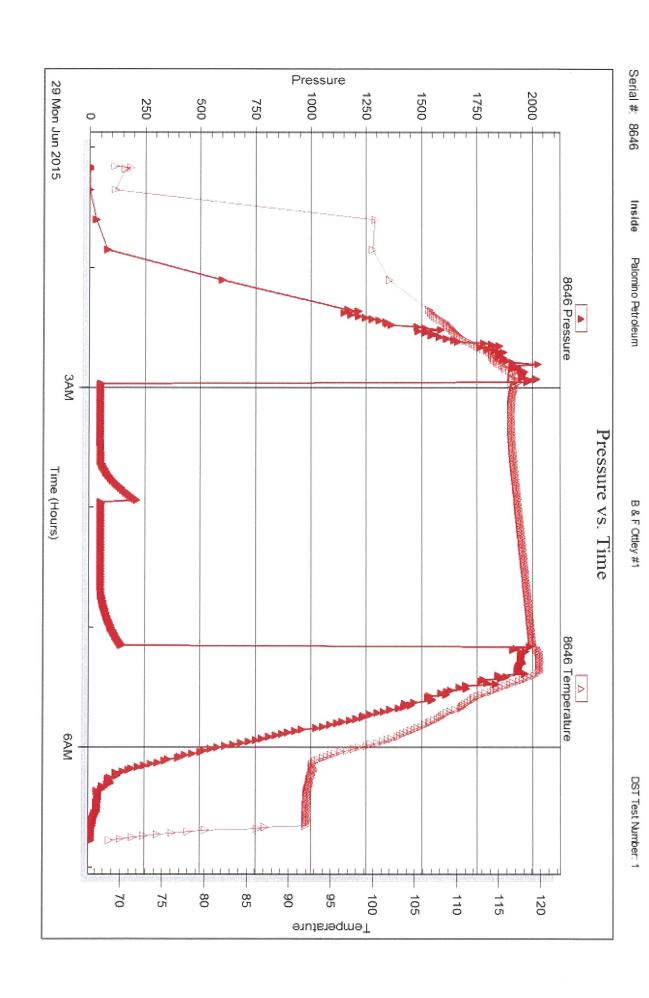
Laboratory Name:

Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 61433 Printed: 2015.07.03 @ 09:26:21





Tritobite Testing, Inc.

Ref. No:

61433



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 @ 14:18:15 End Date: 2015.06.29 @ 19:36:00 Job Ticket #: 61434 DST #: 2

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: 61434

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 14:18:15

#### GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

LKC J

Deviated:

No

Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

Reference Elevations:

2788.00 ft (KB) 2783.00 ft (CF)

Hole Diameter:

Time Tool Opened: 16:11:30

Time Test Ended: 19:36:00

4076.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

4042.00 ft (KB) To 4076.00 ft (KB) (TVD)

KB to GR/CF:

5.00 ft

Serial #: 8646

Inside Press@RunDepth:

43.49 psig @

4061.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.06.29 14:18:15 End Date: End Time:

2015.06.29 19:36:00

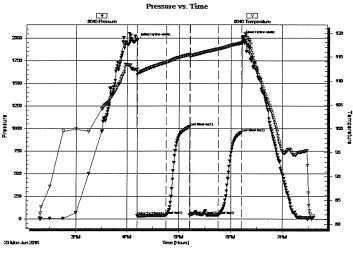
Last Calib.: Time On Btm: 2015.06.29

Time Off Btm:

2015.06.29 @ 16:11:15 2015.06.29 @ 18:13:15

TEST COMMENT: IF:Built to weak surface blow and died in 10 min.

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



#### PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (deg F) (psig) 1978.87 0 112.34 Initial Hydro-static 1 33.29 111.27 Open To Flow (1) 35 39.00 113.89 Shut-In(1) 1018.64 End Shut-In(1) 61 115.50 62 41.54 114.95 Open To Flow (2) 94 43.49 116.66 Shut-In(2) 121 958.59 117.91 End Shut-In(2) 118.90 | Final Hydro-static 122 2004.20

### Recovery Length (ft) Description Volume (bbl) 5.00 0.02 mud with oil spots \* Recovery from multiple tests

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

Trilobite Testing, Inc

Ref. No: 61434



Palomino Petroleum

31-13s-30w Gove,KS

4924 SE 84th ST Newton KS 67114

B & F Ottley #1 Job Ticket: 61434

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 14:18:15

#### **GENERAL INFORMATION:**

Time Tool Opened: 16:11:30

Time Test Ended: 19:36:00

Formation:

LKC J No

Deviated:

Interval:

Total Depth:

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No: 65

2788.00 ft (KB)

2783.00 ft (CF)

Hole Diameter:

4076.00 ft (KB) (TVD)

4042.00 ft (KB) To 4076.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

KB to GR/CF:

Reference Elevations:

5.00 ft

Serial #: 8737

Press@RunDepth:

Outside

psig @

4061.00 ft (KB)

Capacity: 2015.06.29 Last Calib.: 8000.00 psig

Start Date: Start Time: 2015.06.29

End Date:

19:36:15

Time On Btm:

2015.06.29

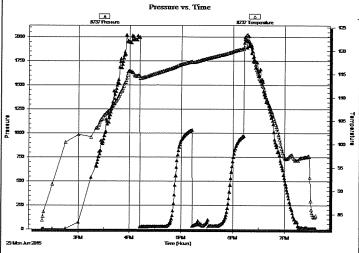
14:18:15

End Time:

Time Off Btm:

TEST COMMENT: IF:Built to weak surface blow and died in 10 min.

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



#### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02
* Recovery from n	nultiple tests	

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

Trilobite Testing, Inc Ref. No: 61434 Printed: 2015.07.03 @ 09:25:54



**TOOL DIAGRAM** 

Palomino Petroleum

31-13s-30w Gove,KS

4924 SE 84th ST Newton KS 67114 B & F Ottley #1 Job Ticket: 61434

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.06.29 @ 14:18:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3930.00 ft Diameter: 0.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume:

55.13 bbl 0.00 bbl Tool Weight:

1500.00 lb

Drill Collar:

Length:

118.00 ft Diameter:

2.25 inches Volume: Total Volume:

Weight set on Packer: 20000.00 lb 0.58 bbl Weight to Pull Loose: 90000.00 lb 55.71 bbl

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

34.00 ft 4042.00 ft ft Tool Chased String Weight: Initial 69000.00 lb

Depth to Bottom Packer: Interval between Packers:

24.00 ft

Final 69000.00 lb

Tool Length: Number of Packers: 52.00 ft 2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4015.00		
Shut In Tool	5.00			4020.00		
Hydraulic tool	5.00			4025.00		
Jars	5.00			4030.00		
Safety Joint	3.00			4033.00		
Packer	5.00			4038.00	28.00	Bottom Of Top Packer
Packer	4.00			4042.00		
Stubb	1.00			4043.00		
Perforations	18.00			4061.00		
Recorder	0.00	8646	Inside	4061.00		
Recorder	0.00	8737	Outside	4061.00		
Bullnose	5.00			4066.00	24.00	Bottom Packers & Anchor

**Total Tool Length:** 52.00

Trilobite Testing, Inc Ref. No: 61434 Printed: 2015.07.03 @ 09:25:55



**FLUID SUMMARY** 

Palomino Petroleum

31-13s-30w Gove,KS

4924 SE 84th ST Newton KS 67114

ATTN: Ryan Seib

B & F Ottley #1

Job Ticket: 61434

DST#: 2

Test Start: 2015.06.29 @ 14:18:15

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:

61.00 sec/qt

ft ldd

Water Loss: Resistivity:

7.96 in<sup>3</sup> 0.00 ohm.m Gas Cushion Type: Gas Cushion Pressure:

psig

Salinity: Filter Cake: 3000.00 ppm 1.00 inches

**Recovery Information** 

Recovery Table

Length Description Volume bbl 5.00 mud with oil spots 0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs:

Laboratory Name:

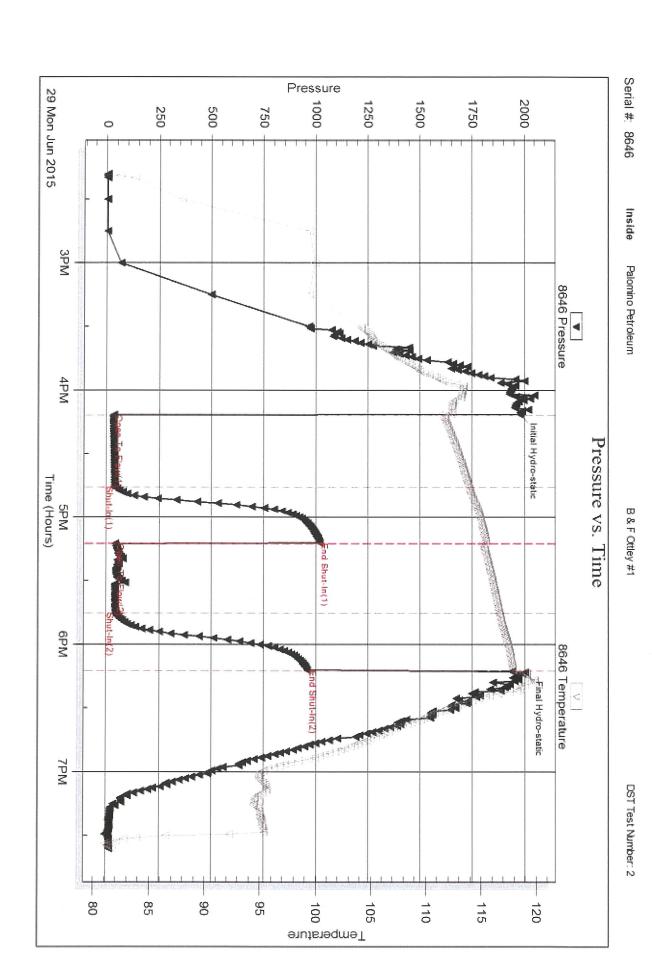
Laboratory Location:

Serial #:

Recovery Comments:

Trilobite Testing, Inc

Ref. No: 61434



Tritobite Testing, Inc.

Ref. No.

61434

Serial #: 8737

Outside Palomino Petroleum

B & F Ottley #1

DST Test Number: 2

Tritobite Testing, Inc.

Ref. No:

61434



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: 2015.06.30 @ 04:54:15
End Date: 2015.06.30 @ 10:12:30
Job Ticket #: 61435 DST #: 3

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 New ton KS 67114 B & F Ottley #1

Job Ticket: 61435

DST#: 3

ATTN: Ryan Seib Test Start: 2015.06.30 @ 04:54:15

#### GENERAL INFORMATION:

Formation:

Interval:

LKC K-L

Deviated: No V Time Tool Opened: 06:35:15

Time Test Ended: 10:12:30

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

-

-----

Reference Elevations:

2788.00 ft (KB)

KB to GR/CF:

2783.00 ft (CF) 5.00 ft

Total Depth: Hole Diameter:

Press@RunDepth:

4180.00 ft (KB) (TVD)

4094.00 ft (KB) To 4180.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 8737

Outside

123.35 psig @

4100.00 ft (KB)

. . . . . . . . .

Capacity:

8000.00 psig

Start Date: Start Time: 2015.06.30

04:54:15

End Date: End Time: 2015.06.30 10:12:30

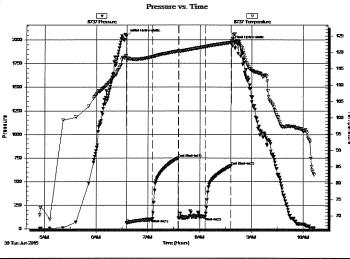
Last Calib.: Time On Btm: 2015.06.30

Time Off Btm:

2015.06.30 @ 06:35:00 2015.06.30 @ 08:36:45

TEST COMMENT: IF:Built to 2 1/2" blow

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



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
١	(Min.)	(psig)	(deg F)				
1	0	2040.61	118.91	Initial Hydro-static			
;	1	60.33	117.42	Open To Flow (1)			
	31	100.63	118.62	Shut-In(1)			
;	60	747.70	120.36	End Shut-In(1)			
701	61	111.13	120.13	Open To Flow (2)			
Temperatura	92	123.35	121.71	Shut-In(2)			
619	122	667.42	122.98	End Shut-In(2)			
	122	1969.96	123.51	Final Hydro-static			

#### Recovery

Description	Volume (bbl)
mud 100 % m	0.61

Gas Rates					
	Choke (inches)	Pressure (psig)	Gas Rate		

Trilobite Testing, Inc Ref. No: 61435 Printed: 2015.07.03 @ 09:25:11



Palomino Petroleum

31-13s-30w Gove, KS

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

Job Ticket: 61435

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.06.30 @ 04:54:15

#### **GENERAL INFORMATION:**

Time Tool Opened: 06:35:15

Time Test Ended: 10:12:30

Formation:

Interval:

Total Depth:

LKC K-L

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester:

Mike Roberts

Unit No:

65

2788.00 ft (KB)

Reference Elevations:

2783.00 ft (CF)

KB to GR/CF:

5.00 ft

Hole Diameter:

4180.00 ft (KB) (TVD) 7.88 inches Hole Condition: Fair

4094.00 ft (KB) To 4180.00 ft (KB) (TVD)

Serial #: 8646 Press@RunDepth: Inside

psig @

4100.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.06.30

End Date:

2015.06.30

Last Calib.:

2015.06.30

Start Time:

04:54:15

End Time:

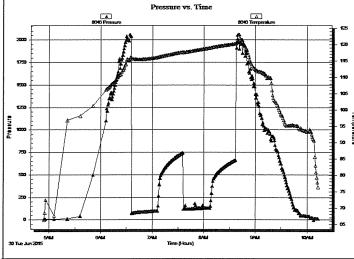
10:13:00

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Built to 2 1/2" blow

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



1	RE SUMMARY		• •	1	- 1
	Annotation	Temp	Pressure	Time	Ī
		(deg F)	(psig)	(Min.)	
ļ					
Ì					╛
					8
	•				į
					Temperature

#### Recovery

Length (ft)	Description	Volume (bbi)
120.00	mud 100 % m	0.61
* Recovery from r	nultiple tests	

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)	
_	•			

Trilobite Testing, Inc

Ref. No: 61435



**TOOL DIAGRAM** 

Palomino Petroleum

31-13s-30w Gove, KS

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

Job Ticket: 61435

Tool Weight:

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.06.30 @ 04:54:15

String Weight: Initial 62000.00 lb

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length: Drill Collar: Length:

Length: 3963.00 ft Diameter: 0.00 ft Diameter: 118.00 ft Diameter: 3.80 inches Volume: 55.59 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 0.58 bbl Total Volume:

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 90000.00 lb 56.17 bbl Tool Chased

1500.00 lb 0.00 ft

Final 62000.00 lb

Drill Pipe Above KB: 15.00 ft Depth to Top Packer: 4094.00 ft Depth to Bottom Packer: ft

Interval between Packers: 86.00 ft Tool Length: 114.00 ft

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			4067.00		
Shut In Tool	5.00			4072.00		
Hydraulic tool	5.00			4077.00		
Jars	5.00			4082.00		
Safety Joint	3.00			4085.00		
Packer	5.00			4090.00	28.00	Bottom Of Top Packer
Packer	4.00			4094.00		
Stubb	1.00			4095.00		
Perforations	5.00			4100.00		
Recorder	0.00	8646	Inside	4100.00		
Recorder	0.00	8737	Outside	4100.00		
Change Over Sub	1.00			4101.00		
Drill Pipe	63.00			4164.00		
Change Over Sub	1.00			4165.00		
Perforations	10.00			4175.00		
Bulinose	5.00			4180.00	86.00	Bottom Packers & Anchor
Total Tool Langth	11400					

Total Tool Length: 114.00

Ref. No: 61435 Printed: 2015.07.03 @ 09:25:12 Trilobite Testing, Inc



**FLUID SUMMARY** 

Palomino Petroleum

31-13s-30w Gove, KS

4924 SE 84th ST New ton KS 67114 B & F Ottley #1
Job Ticket: 61435

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.06.30 @ 04:54:15

#### **Mud and Cushion Information**

Mud Type: Gel Chem

Oil API:

0 deg API

Mud Weight: Viscosity: 9.00 lb/gal

Cushion Length: Cushion Volume:

Cushion Type:

ft Water Salinity:

0 ppm

Water Loss: Resistivity:

Salinity:

61.00 sec/qt 7.97 in<sup>3</sup> 0.00 ohm.m 3000.00 ppm

Gas Cushion Type:

Gas Cushion Pressure:

psig

Filter Cake: 1.00 inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
120.00	mud 100 % m	0.608

Total Length:

120.00 ft

Total Volume:

0.608 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

oratory realize:

Recovery Comments:

Laboratory Location:

Trilobite Testing, Inc Ref. No: 61435 Printed: 2015.07.03 @ 09:25:12

Serial #: 8737

Outside Palomino Petroleum

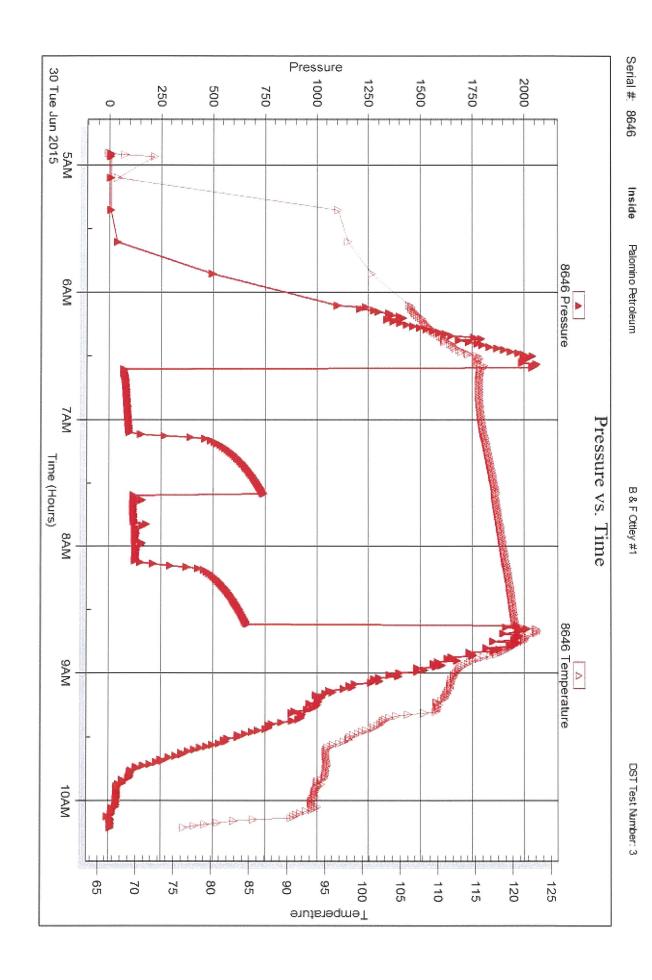
B & F Ottley #1

DST Test Number: 3

Tritobite Testing, Inc.

Ref. No:

61435



Tritobite Testing, Inc.

Ref. No:

61435



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: 2015.07.01 @ 10:34:15 End Date: 2015.07.01 @ 16:05:15 Job Ticket #: 61436 DST #: 4

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: 61436

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

#### GENERAL INFORMATION:

Formation:

Johnson

Deviated: No

Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 12:25:15 Time Test Ended: 16:05:15 Tester: Unit No:

Mike Roberts 65

Interval:

Total Depth:

Hole Diameter:

4340.00 ft (KB) To 4436.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

4436.00 ft (KB) (TVD)

Reference Elevations:

2788.00 ft (KB)

KB to GR/CF:

2783.00 ft (CF) 5.00 ft

Serial #: 8646 Press@RunDepth: Inside 81.68 psig @

4346.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2015.07.01 10:34:15

End Date: End Time:

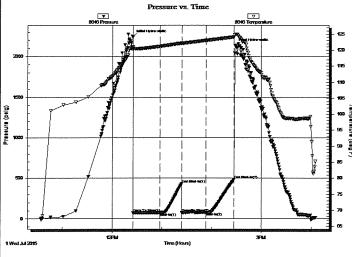
2015.07.01 16:05:15 Last Calib.:

2015.07.01

Time On Btm: Time Off Btm: 2015.07.01 @ 12:25:00 2015.07.01 @ 14:28:30

TEST COMMENT: IF:Built to weak surface blow and died in 2 min.

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



#### PRESSURE SUMMARY Time Pressure Temp Annotation (Min.) (psig) (deg F) 0 2242.57 120.94 Initial Hydro-static 76.04 120.10 Open To Flow (1) 1 77.31 Shut-In(1) 33 121.19 59 429.87 122.16 End Shut-In(1) 76.37 Open To Flow (2) 60 122.05 89 81.68 123.03 | Shut-In(2) 123 481.45 124.12 End Shut-In(2) 124 2136.35 124.84 Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01
* Recovery from r	nultiple tests	•

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (N

Trilobite Testing, Inc. Ref. No: 61436 Printed: 2015.07.03 @ 09:24:26



Palomino Petroleum

31-13s-30w Gove,KS

4924 SE 84th ST Newton KS 67114 B & F Ottley #1 Job Ticket: 61436

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

#### GENERAL INFORMATION:

Formation:

Johnson

Deviated:

Whipstock:

No

ft (KB)

Test Type: Conventional Bottom Hole (Reset)

Tester: Unit No: Mike Roberts

Time Tool Opened: 12:25:15 Time Test Ended: 16:05:15

2788.00 ft (KB)

Interval: Total Depth: 4340.00 ft (KB) To 4436.00 ft (KB) (TVD)

Reference Elevations:

2783.00 ft (CF)

Hole Diameter:

4436.00 ft (KB) (TVD) 7.88 inches Hole Condition: Fair

KB to GR/CF:

5.00 ft

Serial #: 8737

Press@RunDepth:

Outside

psig @

4346.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2015.07.01

End Date:

2015.07.01

Last Calib.:

2015.07.01

Start Time:

10:34:15

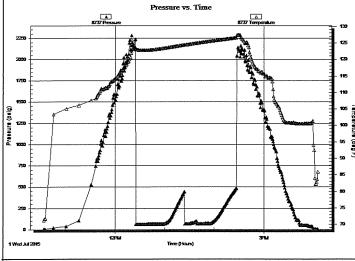
End Time:

16:05:00

Time On Btm: Time Off Btm:

TEST COMMENT: IF:Built to weak surface blow and died in 2 min.

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



	PRESSURE SUMMARY						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
-1							
Temperature (dag F)							
<u>a</u> .							
3							

### Recovery Length (ft) Description Volume (bbl) 2.00 Mud 0.01 Recovery from multiple tests

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

Gas Rates

Trilobite Testing, Inc Ref. No: 61436 Printed: 2015.07.03 @ 09:24:26



**TOOL DIAGRAM** 

Palomino Petroleum

31-13s-30w Gove, KS

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

Job Ticket: 61436

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 4218.00 ft Diameter:

3.80 inches Volume: 0.00 inches Volume:

59.17 bbl 0.00 bbl

Tool Weight: Weight set on Packer: 20000.00 lb

1500.00 lb

Drill Collar: Length:

0.00 ft Diameter: 118.00 ft Diameter:

2.25 inches Volume: 0.58 bbl Total Volume:

Weight to Pull Loose: 90000.00 lb Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

24.00 ft 4340.00 ft 59.75 bbl

Depth to Bottom Packer: Interval between Packers:

ft 96.00 ft String Weight: Initial 62000.00 lb Final 62000.00 lb

Tool Length: Number of Packers: 124.00 ft

2 Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4313.00		
Shut In Tool	5.00			4318.00		
Hydraulic tool	5.00			4323.00		
Jars	5.00			4328.00		
Safety Joint	3.00			4331.00		
Packer	5.00			4336.00	28.00	Bottom Of Top Packer
Packer	4.00			4340.00		
Stubb	1.00			4341.00		
Perforations	5.00			4346.00		
Recorder	0.00	8646	Inside	4346.00		
Recorder	0.00	8737	Outside	4346.00		
Change Over Sub	1.00			4347.00		
Drill Pipe	63.00			4410.00		
Change Over Sub	1.00			4411.00		
Perforations	20.00			4431.00		
Bullnose	5.00			4436.00	96.00	Bottom Packers & Anchor
Total Total Laweth	42400					

Total Tool Length: 124.00

Trilobite Testing, Inc. Ref. No: 61436 Printed: 2015.07.03 @ 09:24:27



**FLUID SUMMARY** 

Palomino Petroleum

31-13s-30w Gove, KS

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

Job Ticket: 61436

DST#: 4

ATTN: Ryan Seib

Test Start: 2015.07.01 @ 10:34:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight:

9.00 lb/gal

Cushion Length: Cushion Volume: Water Salinity:

ppm

Viscosity: Water Loss: 59.00 sec/qt 9.58 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Serial#:

ft

bbl

Resistivity: Salinity: Filter Cake:

0.00 ohm.m 3500.00 ppm

1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length:

Num Fluid Samples: 0

Recovery Comments:

Laboratory Name:

2.00 ft

Ref. No: 61436

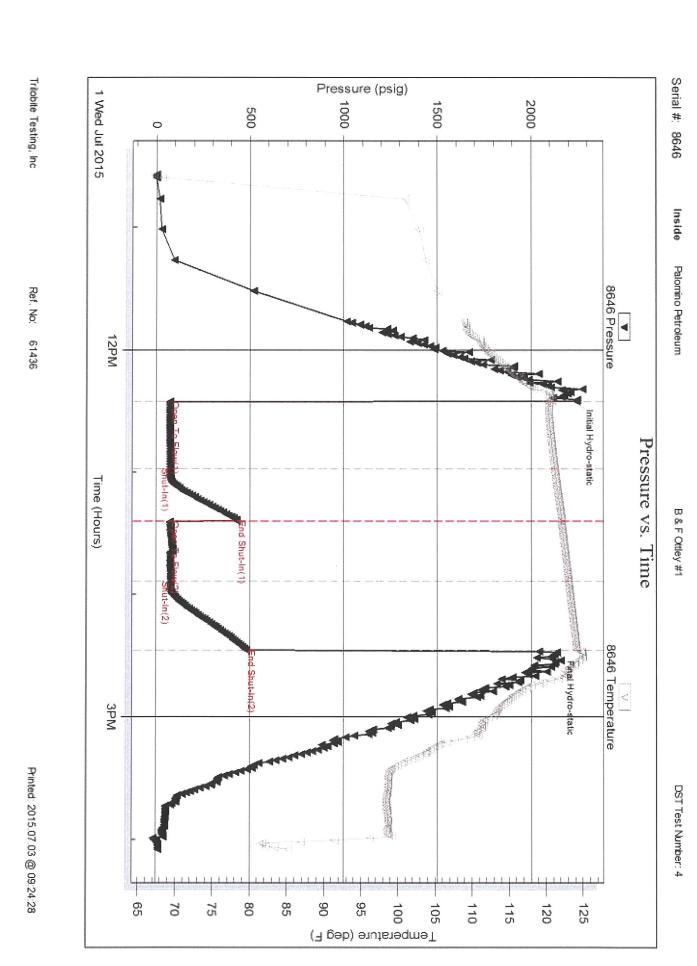
Total Volume:

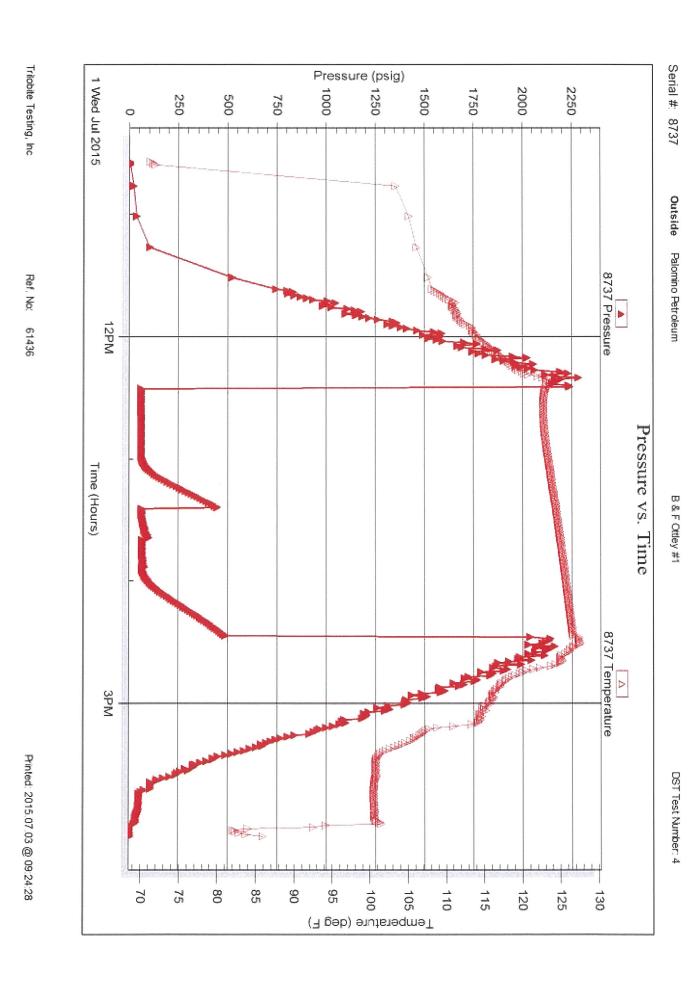
0.010 bbl

Num Gas Bombs:

Laboratory Location:

Trilobite Testing, Inc







NO.

4/10 4/10	7 • nays, Nansas 0700				
Well Name & No. Box F Ottlay #		Test No		Date 6-29-19	5
company Palonino Petrole	oum	Elevation <u>278</u>	<u>, 8</u>	кв <u> 2283                                   </u>	GL
Address 4924 SE 844 57		KS 67114		dight this allow that the train out that at he little has been access the common with the list and date hidd access	
Co. Rep/Geo. Kyan Seib		Rig WW #	8		
Location: Sec. $\frac{3}{1}$ Twp. $\frac{135}{1}$	_Rge. <u>30</u> w	co. Gove		State KS	at the last and the last that the last
Interval Tested 3985 - 40 54	Zone Tested	++I			
Anchor Length 69	Drill Pipe Run	3846	Mu	d Wt. 9.1	
Top Packer Depth 3980	Drill Collars Run	118	Vis	55	The Subdember combinate company of the Subdember company of the Subdemb
Bottom Packer Depth 3985	Wt. Pipe Run	Ø	WL	8,0	
Total Depth 4054	Chlorides $\mathcal{J}$ (	/ <u> </u>	rstem LC	м/	
Blow Description IF. Built to	Weak Sur	face Blow	hid 46 milliologich der geschliche steller der geben so geschliche steller der geschliche so geschliche so war		
IS! NO Retur	n Blow		onde sistemasselesson sover personnes avenue vivo avenue vivo		TO STATE OF THE ST
FF. No Blow					
FS! NO Refu	n Blow				
Rec 2 Feet of Musikh	Oil Spots	%gas	%oil	%water /C	≳ %mud
RecFeet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Total BHT	Gravity		F CI	hlorides	ppm
(A) Initial Hydrostatic 1996	Test		T-On Local	tion <u>23:15</u>	
(B) First Initial Flow 4/	Jars	250,00	T-Started_	01:09	
(C) First Final Flow	Safety Joint	¥ 75,09		02:58	
(D) Initial Shut-In 227	Circ Sub	NC		05:680	
(E) Second Initial Flow	☐ Hourly Standby _			06:47	
(F) Second Final Flow43	Mileage 78 /	ZT 478.05	Comments	5	
(G) Final Shut-In	☐ Sampler			Makkati Salah Sala	The state of the s
(H) Final Hydrostatic 1986	☐ Straddle		O Puipos	Shale Packer	
_	☐ Shale Packer				
Initial Open <u>3</u> O	☐ Extra Packer			Packer	
Initial Shut-In 30	☐ Extra Recorder			Copies 0	
Final Flow 30	□ Day Standby		Total15		
Final Shut-In3	☐ Accessibility  Sub Total			Disc't	et modeln sekiligen (1961-) estji se le 1984-jeht om til Teelle sesson av neem
	Sub Total \$	1553.00/-		- 0	



NO.

4/10	, , , , , , , , , , , , , , , , , , , ,	1	<b>.</b> ,	7 1 ** 0 *4	
Well Name & No. B+F O+Hey  Company Palomino Petrole  Address 4924 SE 8914 St  Co. Rep/Geo. Ryan Seib  Location: Sec. 31 Twp. 135	IM L. Newton K	S 67114 Rig WW	<i>88</i> к	te 6-29-/5 B 0183 State KS	GL
Interval Tested 4042-4076  Anchor Length 24  Top Packer Depth 4037  Bottom Packer Depth 4042  Total Depth 4076	Zone Tested	1930 18	VisWLwstem LCM	NI. 9. Z 61 8. O	
FS: No Return  Rec 5 Feet of MVD With  Rec Feet of Feet of  Rec Feet of Feet of Feet of	vil Spots	%gas %gas %gas %gas %gas	%oil %oil %oil %oil %oil	%water / D C) %water %water %water %water	%mud %mud %mud %mud %mud
Rec Total	Test Jars Safety Joint Circ Sub Hourly Standby Sampler Straddle Shale Packer Extra Packer Day Standby Day Standby	1150.00 250.00 75.00 NC	T-Started T-Open T-Pulled T-Out Comments Ruined Sh	137,45 14718 (6:11 18:11 19:36 nate Packer_ icker_ ies	ppm
	Sub Total / //	553,0%	A 2.11	1. A	



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4) (0 1) (1) (1)								
Company Pal Address 49	Kyan Seib	oleum 12 ST puew	Test No. 3  Elevation 27  FON KS 6  Rig WW  Co. Grove	955 HY J	oate <u>6-30-</u> KB <u>2.283</u> State <i>[</i> C.5	GL		
Interval Tested/ Anchor Length Top Packer Depth Bottom Packer Depth Total Depth	094-4180 6 4089 4094 4180 IF: Built IS: No Ru FF: No Blo	Zone Tested	(+L 3943 [10 6	Mu Vis WL	state (C) d Wt. 9.2 (J) 8.0 M )			
Rec	Feet of		%gas %gas	%oil %oil	%water / O c	%mud		
RecRec	Feet of		%gas %gas %gas	%oil %oil %oil	%water %water %water	%mud %mud %mud		
A) Initial Hydrostatic_     B) First Initial Flow_      C) First Final Flow		Test Jars Safety Joint	7	T-On Locati T-Started T-Open	03:40 09:57 04:35 08:35			
F) Second Final Flow	1 123 667	Mileage 78	RT 978,00	T-Out	10:12			
nitial Open nitial Shut-In Final Flow Final Shut-In	2 4	□ Shale Packer □ Extra Packer □ Extra Recorder □ Day Standby	□ Shale Packer □ Extra Packer □ Extra Recorder □ Day Standby		□ Ruined Shale Packer □ Ruined Packer □ Extra Copies Sub Total □ 1553  MP/DST Disc't			
pproved By		Sub Total	7/553. 60/— Representative	Make 1	Poly to			



NO.

Well Name & No. B4F OHLey	#/	Test No.		Date 7-1-15		
Company Palamino Petroleum	<u>`</u>	Elevation 176		кв 2783	GL	
Address 4924 SE BY 1 St.	Newton K	5 67114			The second second	
Co. Rep/Geo. Ryan Seib		Rig <u>  W N 8</u>				
Location: Sec. 31 Twp. 135	Rge. <u>30 W</u>	co. Gove		State /		
Interval Tested 4340 - 4436	Zone Tested	Tohnson		**************************************		
Anchor Length 96	Drill Pipe Run	Mud Wt. 9.3				
Top Packer Depth <u>4335</u>	Drill Collars Run	118				
Bottom Packer Depth <u>4340</u>	4					
Total Depth 4436	/	DO ppm S		м_/	nd a discourse of opinion (Marylambarram Alassa)	
Blow Description IF. Bill to U	reak Blow	~ /		IN		
<u> </u>	Blow			and the second of the second o		
FF. NO Blow						
F.S. No Leturn	Blow					
Rec 2 Feet of M V1)		%gas	%oil	%water /O	2 %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 9 BHT 12Z	Gravity	API RW@	F CI	nlorides	ppm	
(A) Initial Hydrostatic	Test	# 1150,00	T-On Locat	ion 09:52	<u> </u>	
(B) First Initial Flow 742	Jars	1250,00	T-Started_	10:34		
(C) First Final Flow	Safety Joint	175,00	T-Open		15:55	
(D) Initial Shut-In 429	Circ Sub	NC		14:25		
(E) Second Initial Flow	☐ Hourly Standby _	Comments Picked up tools				
(F) Second Final Flow	Mileage 78 -	at 16.00 7.2-15				
(G) Final Shut-In 48/	☐ Sampler					
(H) Final Hydrostatic 2/36	☐ Straddle		☐ Ruineo	I Shale Packer		
	☐ Shale Packer		☐ Ruined Packer			
Initial Open 30	☐ Extra Packer	an and a distance and a second as a second as a second as a		☐ Extra Copies		
Initial Shut-In 30	☐ Extra Recorder _			Sub Total		
Final Flow 30	☐ Day Standby	1621	Total16	Total 1631		
Final Shut-In 30	☐ Accessibility	MP/DST	MP/DST Disc't			
	Sub Total	1553.9	11	111		
Approved By	Он	r Representative	11. 1121	DOKETH		