KOLAR Document ID: 1461610

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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.:
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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY				
Confidentiality Requested				
Date:				
Confidential Release Date:				
☐ Wireline Log Received ☐ Drill Stem Tests Received				
Geologist Report / Mud Logs Received				
UIC Distribution				
ALT I II Approved by: Date:				

KOLAR Document ID: 1461610

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	STILES 1
Doc ID	1461610

Tops

Name	Тор	Datum
Anhy.	850	(+1050)
Base Anhy.	876	(+1024)
Howard	2696	(- 796)
Topeka	2735	(- 835)
King Hill	2857	(- 957)
Queen Hill	2922	(-1022)
Heebner	3010	(-1110)
Toronto	3027	(-1127)
Douglas	3039	(-1139)
Brown Lime	3096	(-1196)
Lansing	3108	(-1208)
ВКС	3342	(-1442)
Arbuckle	3360	(-1460)
LTD	3440	(-1540)

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	STILES 1
Doc ID	1461610

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	20	414	60/40	2% gel, 3% c.c.

GLOBAL OIL FIELD SERVICES, LLC 24 S. Lincoln RUSSELL, KS 67665

RECEIVED MAR 06 2019

Invoice

Date	Invoice #
3/4/2019	0013388

Bill To	
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114	

P.O. No.	Terms	Project
STILES#1	Due on receipt	

Quantity	Description	k	Rate		Amount
	60/40 POZMIX CEMENT		7.5.0	12.75	
233	BENTONITE GEL			13.75 30.00	3,506.25 270.00
	FLO-SEAL			2.00	127.50
	HANDLING			1.90	501.60
	BULK MILEAGE			660.00	660.00
1	TRI-PLEX PUMP CHARGE FOR PLUG			850.00	850.00
	LMV- ONE WAY			2.75	68.75
25	HEAVY EQUIPMENT. ONE WAY			6.50	162.50
1	DRY HOLE PLUG			62.50	62.50
	150/ DICCOLDIT IE DAID WITHIN 15 DAVE OF DIVIO	IOD			
	15% DISCOUNT IF PAID WITHIN 15 DAYS OF INVO BARTON CO SALES TAX	ICE	7	7.50%	0.00
				1	
				l	
	at the state of th				
Thank you for you	ır business.				
5.			Total		\$6,209.10

Phone # Fax# 785-445-3525 785-445-3526 lotai

\$6,209.10

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln SERVICE POINT: REMIT TO Russell, KS 67665 TWP. -JOB START JOB FINISH CALLED OUT ON LOCATION RANGE COUNTY STATE LEASES + 1/4 < WELL# OLD OR NEW (CIRCLE ONE) W W Doilling CONTRACTOR OWNER TYPE OF JOB HOLE SIZE T.D. CEMENT CASING SIZE DEPTH TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON MEAS. LINE SHOE JOINT POZMIX_ CEMENT LEFT IN CSG. GEL @ PERFS CHLORIDE (a) DISPLACEMENT ASC EQUIPMENT (a) @ PUMP TRUCK CEMENTER @ HELPER @ BULK TRUCK @ 411 DRIVER @ **BULK TRUCK** (a) DRIVER @ HANDLING. MILEAGE TOTAL REMARKS: SERVICE DEPTH OF JOB -PUMP TRUCK CHARGE. EXTRA FOOTAGE.... MILEAGE . @ @ @ TOTAL STREET PLUG & FLOAT EQUIPMENT Global Oil Field Services, LLC You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side. PRINTED NAME

SALES TAX (If Any)
TOTAL CHARGES _

IF PAID IN 30 DAYS

DISCOUNT

SIGNATURE _

GLOBAL OIL FIELD SERVICES, LLC 24 S. Lincoln RUSSELL, KS 67665

FEB 19 2019

Invoice

Date	Invoice #
2/14/2019	0013381

Bill To
PALOMINO PETROLEUM INC
4924 SE 84TH ST
NEWTON,KS 67114

P.O. No.	Terms	Project
STILES#1	Due on receipt	

Quantity			Description		Rate		Amount
7 4	60/40 POZM CALCIUM-C BENTONITI HANDLING	E GEL			80. 30.	.75 .00 .00	3,093.75 560.00 120.00 448.40
15	LMV- ONE	UMP CHARGE FOR S WAY UIPMENT. ONE WAY				.00 .75 .50	850.00 41.25 97.50
-3	DEDUCTIO	N FOR RIG TIME WH	ILE WAITING ON C	EMENT	350	.00	-1,050.00
	15% DISCO NESS CO SA	UNT IF PAID WITHIN ALES TAX	15 DAYS OF INVO	ICE	7.50	%	0.00
nank you for you	ur business.				Total		\$4,160.9
Ph	none #	Fax#		is .	 Iotai		ψ·,,100.5

Phone # Fax # 785-445-3525 785-445-3526

GLOBAL OIL FIELD SERVICES, LLC

JOB FINISH

IF PAID IN 30 DAYS

STATE

24 S. Lincoln REMIT TO Russell, KS 67665 TWP. -SEC. CALLED OUT ON LOCATION JOB START RANGE DATE 7-9-19 LEASE St. TC WELL#. LOCATION OLD OR NEW (CIRCLE ONE) CONTRACTOR WW DOLLAR OWNER TYPE OF JOB HOLE SIZE T.D. CEMENT CASING SIZE DEPTH AMOUNT ORDERED TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON_ MEAS. LINE SHOE JOINT POZMIX_ CEMENT LEFT IN CSG. 2 5 GEL_ PERFS CHLORIDE : DISPLACEMENT EQUIPMENT PUMP TRUCK CEMENTER HELPER @ **BULK TRUCK** (a) # 4/1 DRIVER @ BULK TRUCK @ DRIVER @ HANDLING_ (a) MILEAGE TOTAL DEPTH OF JOB __ PUMP TRUCK CHARGE_ EXTRA FOOTAGE____ MILEAGE __ _ @ _ MANIFOLD @ -@ -(a) TOTAL PLUG & FLOAT EQUIPMENT Global Oil Field Services, LLC You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES

DISCOUNT_

PRINTED NAME

SIGNATURE __



Scale 1:240 (5"=100") Imperial Measured Depth Log

Stiles #1 Well Name:

15-009-26253 API:

NW - SW - SE - SW of Sec. 7 16s 12w 30742 Location:

License Number: Spud Date:

2/08/2019 574' FSL & 1492' FWL

Barton County, KS 2/20/2019

Region: Drilling Completed:

Surface Coordinates:

K.B. Elevation (ft): Total Depth (ft): Same as surface coordinates 1899' Coordinates: Ground Elevation (ft): Logged Interval (ft): **Bottom Hole**

Arbuckle Dolomite @ RTD 3440. ٦٥: 2700 Formation:

Chemical Drispac Type of Drilling Fluid:

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

1900' 3440'

OPERATOR

Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114 Company: Address:

GEOLOGIST

Eli J. Felts Name:

Address: Company:

Gravity Oil, LLC 954 Prairie Park Road Wichita, KS 67218 E: ejfelts47@gmail.com, C: 316.204.5059

Formation Tops

စ္တ	820	876	2696	2735	2857	2922	3010	3027	3096	3108	3342	3360	3.5
LOGTOPS									(5) BROWN LIME				
	_								3095 (-118				3440 (-1540)
SAMPLE TOPS	ANHY	BASE ANHY	HOWARD	TOPEKA	KINGHILL	QUEEN HILL	HEEBNER	TORONTO	BROWN LIME	LANSING	BKC	ARBUCKLE	OT.

Drilling Report

2/8/19 (Fri)

Moved in WW Drilling, L.L.C. rotary tools (Rig #14). Spudded at 7:15 a.m. Set surface pipe; cement did circulate. Plug down @ 7:30 p.m.

2/09/19 (Sat) Waiting on cement.

2/10/19 (Sun) Drilling at 1590'.

2/11/19 (Mon) Stuck at 2185'.

2/12/19 (Tue)

Tripping out of hole with wash over pipe at 2185'

2/13/19 (Wed) Tripping in hole with wash over pipe at 2185'.

2/14/19(Th)

2/13/19 (Wed) Tripping in hole with wash over pipe at 2185'.

2/14/19(Th) Free point last drill collar at 2185'.

2/15/19(Fri)

Free point did not go through fish, picking up wash pipe to try and wash to bottom, bottom of screw in sub plugged with clay. Replaced Bit (2 cones were very loose)

2/16/19(Sat) Drilling at 2299'. Displaced drilling fluid w/ Mud-Co. Chemical Drispac. Geologist on location @ 5pm. 10' wet and dry samples began @ 7pm 2700'

2/17/19 (Sun) Drilling @ 2893'. Ran DST #1

2/18/19 (Mon) Drilling @ 3061'

2/19/19 (Tues) DST #2. Drilling @ 3220'

Ran Logs. Decision made to straddle Arbuckle. DST #3 (MISRUN - HIT FILL) 2/20/19 (Wed)

TIH w/ Bit to Condition Hole

2/21/19 (Thurs)

DST #4

Plugged & Abandoned

Drill Stem Tests

Hydrostatic: 1602-1574# Interval: 3128'-3182' DST #2 Lansing C-F RW: .434 @ 20.4 F FSI: no blowback ISI: no blowback FF: built to 2" SIP: 617-611# IF; built to 4" (54") Anchor 30-30-30-30 CHL: 60,000 BHT: 103 F FF: 61-75# **Recovery**: DuM'07 130' TF FF: was dead, flushed tool, built to 1" Hydrostatic: 1452-1415# interval: 2934'-2998' FSI: no blowback ISI: no blowback (5%W) (95%M) DST#1 Topeka SIP: 791-770# 30-30-30-30 IF: built to 2" (64") Anchor IF: 18-32# BHT: 94 F 65° WCM CHL: NA RW: NA

MISRUN - Tool slid 6' and had fill Interval: 3345' - 3385' DST #3 Arbuckle (straddle test) (55') Tailpipe (40') Anchor

DST #4 Arbuckle

IF: 808 1 min 45 secs Interval: 3318'-3385' FF: BOB in 2 mins FSI: no blowback ISI: no blowback SIP: 1123-1125# (straddle test) (55') Tailpipe 15-30-15-30 (67') Anchor IF; 54-417#

320' WCM (10%W - 90%M) 100' MCW (90%W - 10%M) 640' WM (25%W - 75%M) 128' MW (60%W - 40%M) Recovery: 1188°TF

60° WM (60%M) (40%W)

Hydrostatic: 1580-1538#

FF: 404-556#

RW: 444 @ 39.1 F

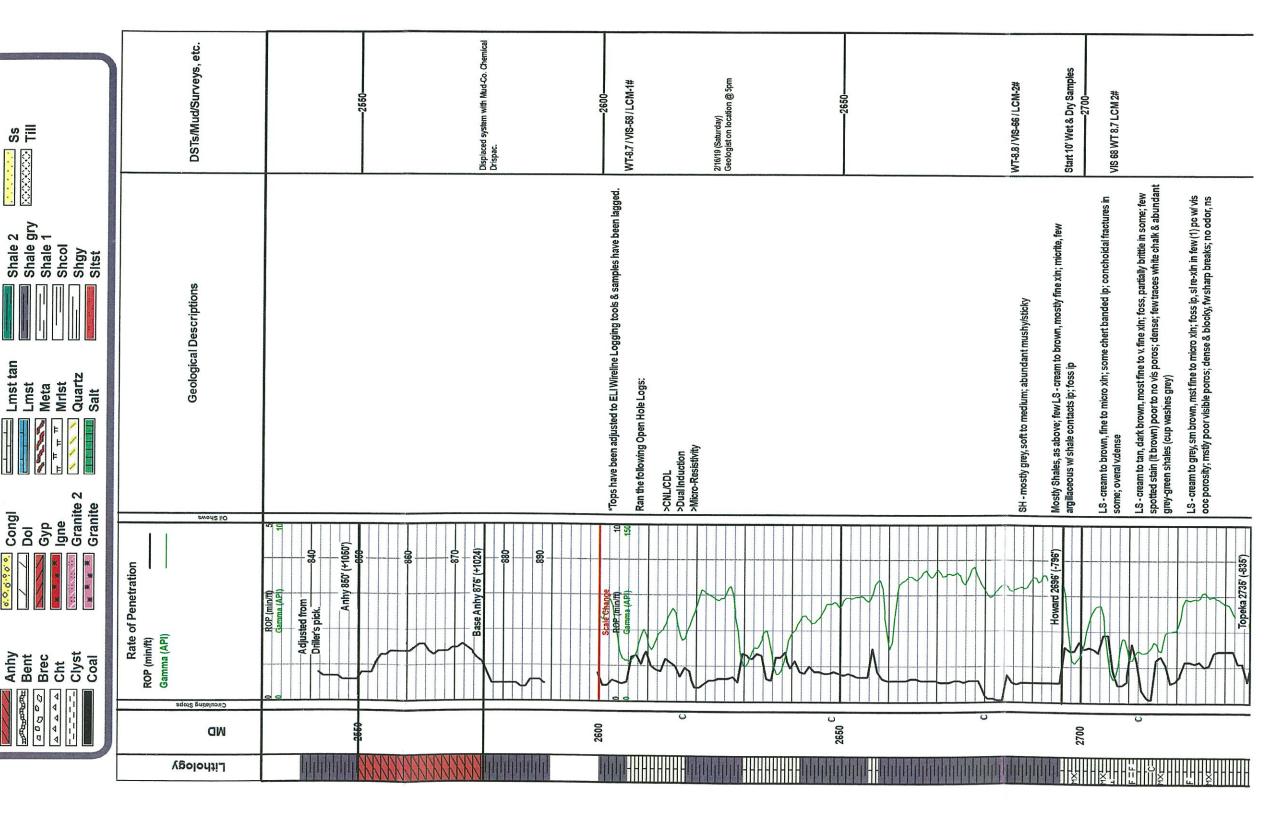
CHL: 26,000 BHT: 107 F

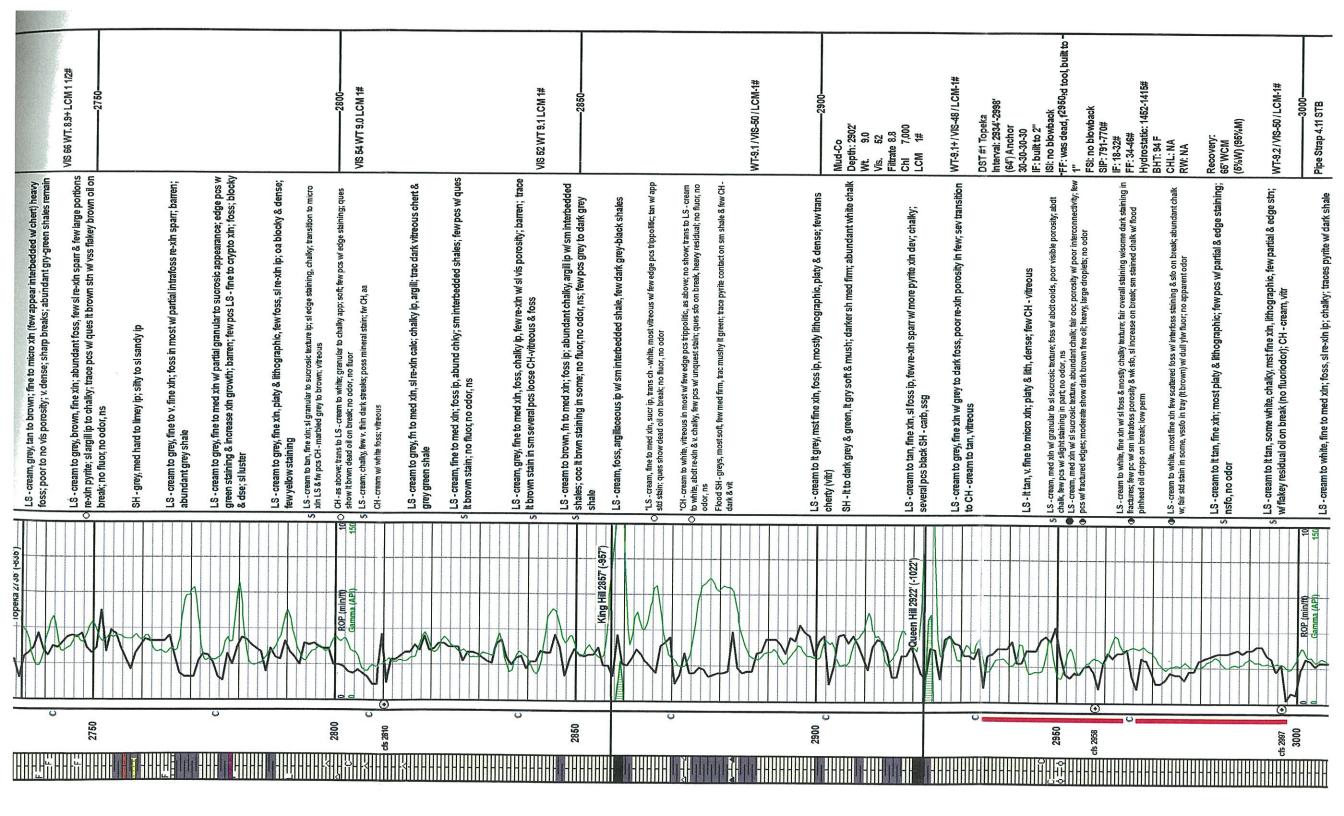
Pipe Setting

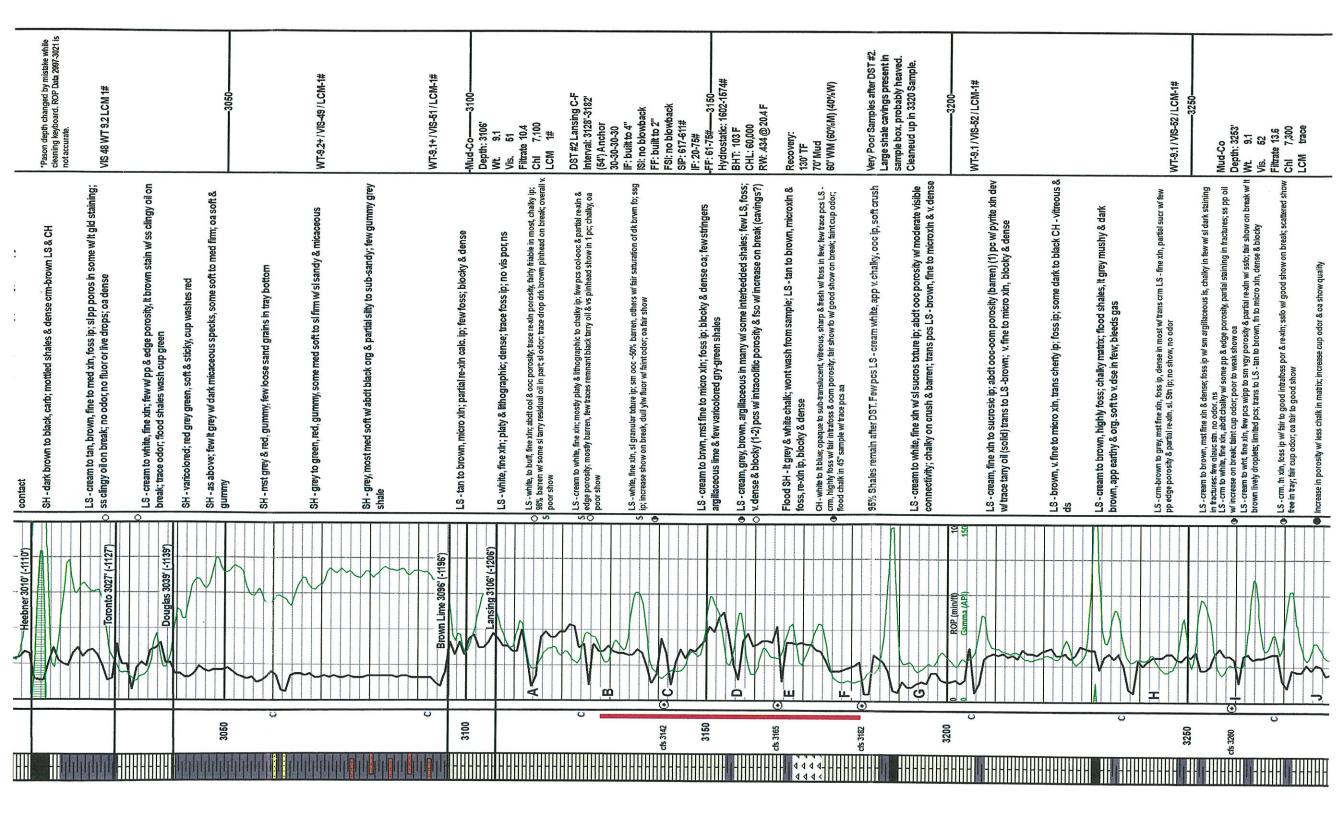
2/8/2019

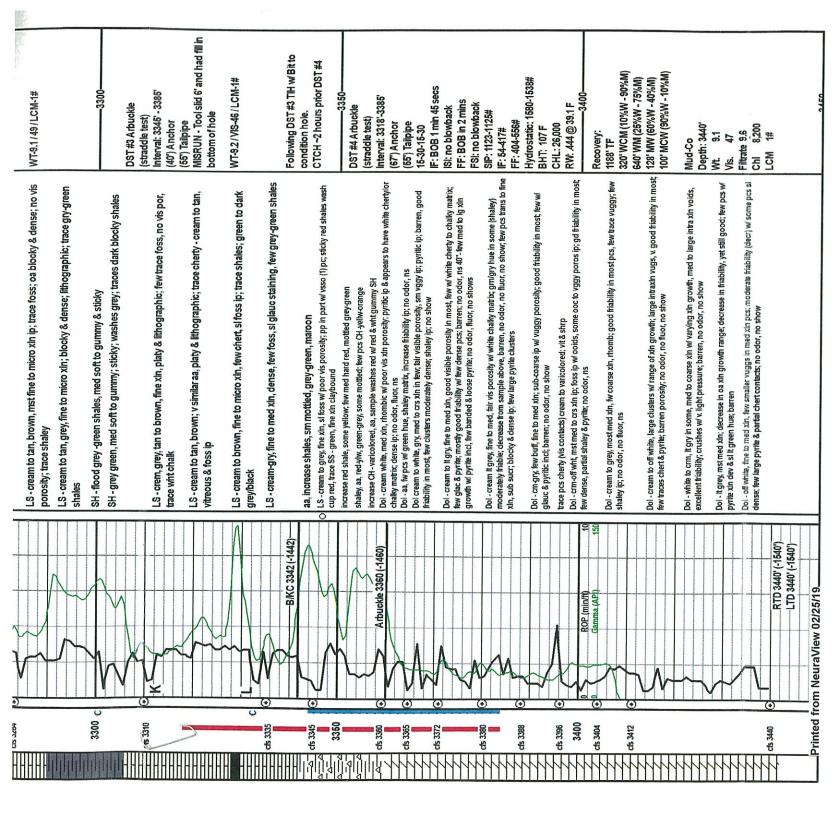
Ran 9 jts. new 8 5/8" 20# surface pipe set at 414' and cemented with 225 sacks 60/40, 2% gel, 3% c.c. Cement did circulate. Plug down at 7:30 p.m.

ROCK TYPES











Prepared For: Palomino Petroleum Inc

2924 SE 84th St Newton KS 67114+8827

ATTN: Eli Felts

Stiles #1

7-16s-12w Barton,KS

Start Date: 2019.02.17 @ 18:25:00 End Date: 2019.02.18 @ 01:42:20 Job Ticket #: 64989 DST #: 1

Trilobite Testing, Inc

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



Palomino Petroleum Inc

7-16s-12w Barton,KS

2924 SE 84th St New ton KS 67114+8827

Job Ticket: 64989

Stiles #1

DST#: 1

ATTN: Eli Felts

Test Start: 2019.02.17 @ 18:25:00

GENERAL INFORMATION:

Time Tool Opened: 21:09:20

Time Test Ended: 01:42:20

Formation:

Topeka

Deviated:

No Whipstock:

ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Benny Mulligan

Unit No:

66

1900.00 ft (KB)

Reference Elevations:

1889.00 ft (CF)

KB to GR/CF:

11.00 ft

Interval: Total Depth:

Hole Diameter:

2934.00 ft (KB) To 2998.00 ft (KB) (TVD) 2998.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 6772

Inside

Press@RunDepth: Start Date:

46.58 psig @ 2019.02.17

2935.00 ft (KB) End Date:

2019.02.18

Capacity: Last Calib.:

8000.00 psig

Start Time:

18:25:01

End Time:

01:42:20

Time On Btm:

2019.02.18 2019.02.17 @ 21:08:10

Time Off Btm:

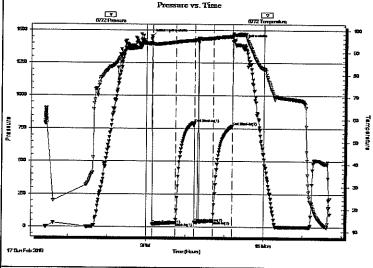
2019.02.17 @ 23:12:10

TEST COMMENT: LF.-30- Blow built to 2"

I.S.I.-30- No blow back

F.F-30- No blow - flushed tool then it built to 1"

F.S.I.-30- No blow back



	PRESSURE SUMMARY							
	Time	Pressure	Temp	Annotation				
	(Min.)	(psig)	(deg F)					
	0	1452.22	94.26	Initial Hydro-static				
	2	18.75	93.82	Open To Flow (1)				
	37	32.55	94.49	Shut-In(1)				
	66	791.44	95.32	End Shut-in(1)				
5	66	34.03	94.98	Open To Flow (2)				
interetue.	94	46.58	96.31	Shut-In(2)				
=	124	770.03	97.11	End Shut-In(2)				
	124	1415.50	97.45	Final Hydro-static				
ı				-				
ı				1				

Recovery

Length (ft)	Description	Volume (bbl)		
65.00	W.C.M. 5%W 95%M	0.32		

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

Trilobite Testing, Inc.

Ref. No: 64989



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Job Ticket: 64989

Stiles #1

DST#: 1

ATTN: Bi Felts

Test Start: 2019.02.17 @ 18:25:00

GENERAL INFORMATION:

Time Tool Opened: 21:09:20

Time Test Ended: 01:42:20

Formation:

Topeka

Deviated:

No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Benny Mulligan

Unit No:

66

Reference Elevations:

1900.00 ft (KB)

KB to GR/CF:

1889.00 ft (CF) 11.00 ft

Interval: Total Depth:

Hole Diameter:

2934.00 ft (KB) To 2998.00 ft (KB) (TVD) 2998.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 6769

Outside

Press@RunDepth:

psig @

2935.00 ft (KB)

End Date:

2019.02.18

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2019.02.17 18:25:01

End Time:

Time On Btm;

2019.02.18

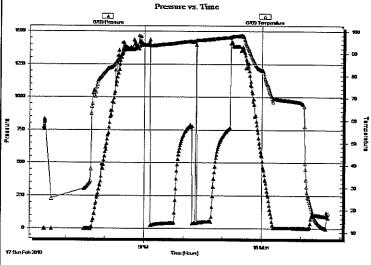
01:42:20

Time Off Btm:

TEST COMMENT: 1.F.-30- Blow built to 2" I.S.I.-30- No blow back

F.F-30- No blow - flushed tool then it built to 1"

F.S.I.-30- No blow back



PRESSURE SUMMARY Pressure Temp Annotation

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

Recovery

Length (ft)	Description	Valume (bbl)
65.00	W.C.M. 5%W 95%M	0.32

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 64989



7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

ATTN: Di Felts

Palomino Petroleum Inc

Stiles #1

Job Ticket: 64989

DST#: 1

TOOL DIAGRAM

Test Start: 2019.02.17 @ 18:25:00

Tool Information

Drill Pipe:

Drill Collar:

Length: Heavy Wt. Pipe: Length:

Length:

2822.00 ft Diameter: 0.00 ft Diameter: 117.00 ft Diameter:

3.88 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

41.27 bbl 0.00 bbl 0.58 bbl 41.85 bbl Tool Weight: Weight set on Packer: 25000.00 lb

2500.00 lb

Weight to Pull Loose: 45000.00 lb Tool Chased

0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

Depth to Bottom Packer:

32.00 ft 2934.00 ft

ft Interval between Packers:

64.00 ft 91.00 ft

2

String Weight: Initial 39000.00 lb

Final 39000.00 lb

Number of Packers:

Diameter:

6.75 inches

Tool Comments:

Tool Length:

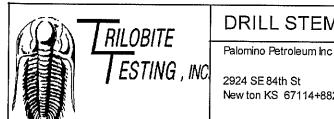
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2908.00		
Shut In Tool	5.00			2913.00		
Hydraulic tool	5.00			2918.00		
Jars	5.00			2923.00		
Safety Joint	2.00			2925.00		
Packer	5.00			2930.00	27.00	Bottom Of Top Packer
Packer	4.00			2934.00		
Stubb	1.00			2935.00		
Recorder	0.00	6772	Inside	2935.00		
Recorder	0.00	6769	Outside	2935.00		
Perforations	26.00			2961.00		
Change Over Sub	1.00			2962.00		
Drill Pipe	32.00			2994.00		
Change Over Sub	1.00			2995.00		
Bullnose	3.00			2998.00	64.00	Bottom Packers & Anchor

Total Tool Length:

91.00

Trilobite Testing, Inc

Ref. No. 64989



7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Stiles #1 Job Ticket: 64989

DST#: 1

FLUID SUMMARY

deg API

ppm

ATTN: Eli Felts

Test Start: 2019.02.17 @ 18:25:00

Oil API:

Water Salinity:

Printed: 2019.02.22 @ 12:00:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Viscosity:

Water Loss: Resistivity:

Salinity:

Filter Cake:

9.00 lb/gal

52.00 sec/qt 8.78 in³

ohm.m 7000.00 ppm

1.00 inches

Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

bbl

fŧ

psig

Recovery Information

Recovery Table

Length ft	Volume bbl
65.	0.320

Total Length:

65.00 ft

Total Volume:

0.320 bbl

0

Num Fluid Samples: 0

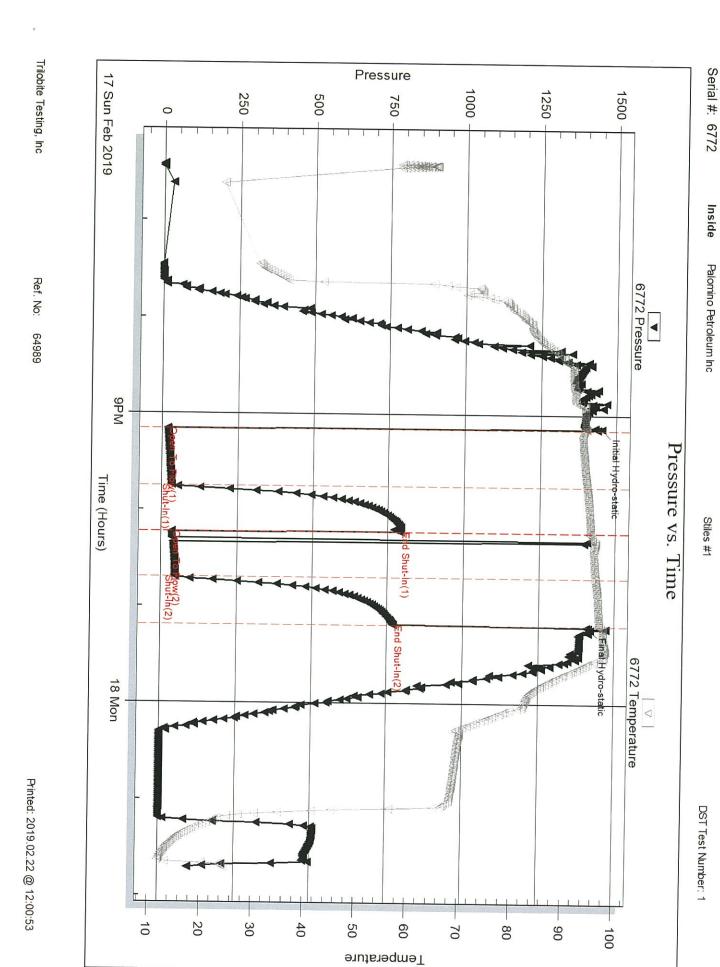
Laboratory Name:

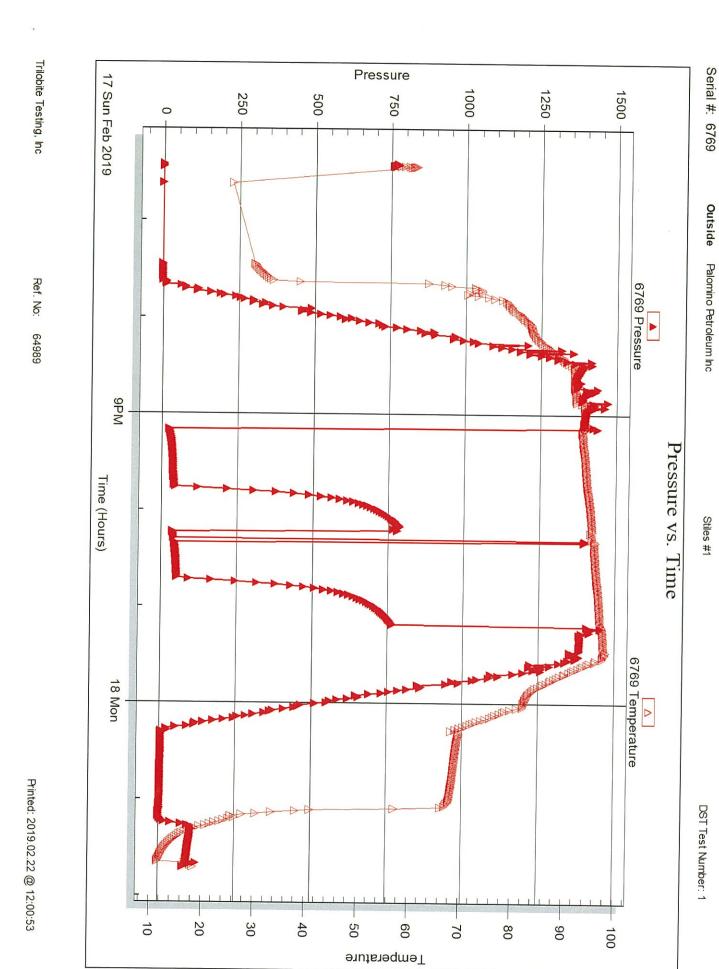
Recovery Comments:

Num Gas Bombs:

Serial #:

Laboratory Location:







Prepared For: Palomino Petroleum Inc

2924 SE 84th St Newton KS 67114+8827

ATTN: Eli Felts

Stiles #1

7-16s-12w Barton,KS

Start Date: 2019.02.18 @ 18:31:00 End Date: 2019.02.19 @ 01:31:00 Job Ticket #: 64990 DST #: 2

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



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Stiles #1 Job Ticket: 64990

DST#: 2

ATTN: Di Felts

Test Start: 2019.02.18 @ 18:31:00

GENERAL INFORMATION:

Time Tool Opened: 20:48:00

Time Test Ended: 01:31:00

Formation:

LKC C-F

Deviated:

Interval:

Νo Whipstock:

ft (KB)

Test Type:

Conventional Bottom Hole (Initial)

Tester:

Benny Mulligan

Unit No:

66

3128.00 ft (KB) To 3182.00 ft (KB) (TVD)

Reference Elevations:

1900.00 ft (KB)

Total Depth:

3128.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter:

7.88 inches Hole Condition: Fair

KB to GR/CF:

11.00 ft

Serial #: 6772

Press@RunDepth:

Inside

75.98 psig @

3129.00 ft (KB)

Capacity: 2019.02.19

8000.00 psig

Start Date: Start Time:

2019.02.18 18:31:01 End Date: End Time:

01:31:00

Last Calib .: Time On Btm:

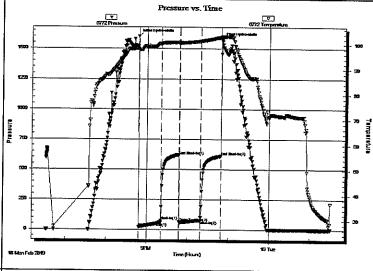
2019.02.19 2019.02.18 @ 20:47:10

Time Off Btm:

2019.02.18 @ 22:50:00

TEST COMMENT: 1.F.-30-Blow built to 4"

I.S.I.-30- No blow back F.F-30- Blow built to 2" F.S.I.-30- No blow back



	PRESSURE SUMMARY								
	Time	Pressure	Temp	Annotation					
0	(Min.)	(psig)	(deg F)						
	0	1602.05	98.36	Initial Hydro-static					
	1	20.73	97.82	Open To Flow (1)					
	34	75.04	100.21	Shut-In(1)					
	60	617.85	100.79	End Shut-In(1)					
3	61	61.59	100.65	Open To Flow (2)					
Temperature	92	75.98	101.23						
2	122	611.61	102.96	End Shut-In(2)					
	123	1574.88	102.97	Final Hydro-static					
				,					
			!						
				1					

Recovery Length (ft) Description Volume (bbl) 60.00 WM 40%W 60%M 0.30 70.00 Mud 100%M 0.47

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

Con Datas

Trilobite Testing, Inc

Ref. No: 64990



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St

Stiles #1

New ton KS 67114+8827

Job Ticket: 64990

DST#: 2

ATTN: Eli Felts

Test Start: 2019.02.18 @ 18:31:00

GENERAL INFORMATION:

Formation:

LKC C-F

Deviated:

No Whipstock:

ft (KB)

Conventional Bottom Hole (Initial) Test Type:

Time Tool Opened: 20:48:00

Tester:

Benny Mulligan

Time Test Ended: 01:31:00

Unit No: 66

Interval:

3128.00 ft (KB) To 3182.00 ft (KB) (TVD)

Reference Elevations:

1900.00 ft (KB)

Total Depth:

3128.00 ft (KB) (TVD)

Hole Diameter:

1889.00 ft (CF)

7.88 inches Hole Condition: Fair

KB to GR/CF:

11.00 ft

Serial #: 6769 Press@RunDepth:

Outside

psig @

3129.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time: 2019.02.18

End Date: End Time:

2019.02.19 01:31:00

Time On Btm:

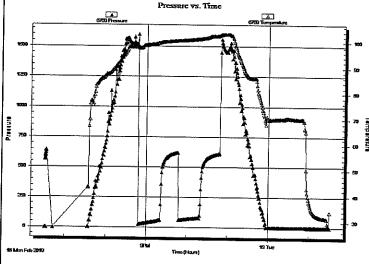
2019.02.19

18:31:01

Time Off Btm:

TEST COMMENT: I.F.-30-Blow built to 4"

I.S.I.-30- No blow back F.F-30- Blow built to 2" F.S.I.-30- No blow back



Ρ	RESS	URE	SUMN	IARY

	Time	Pressure	Tomo	A
	11116			Annotation
•	(Min.)	(psig)	(deg F)	
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	1			
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4				
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Temparatura				
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		1		
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Recovery

Length (ft)	Description	Volume (bbl)
60.00	VVM 40%W 60%M	0.30
70.00	Mud 100%M	0.47
· · · · · · · · · · · · · · · · · · ·		

Gas Rates

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

Trilobite Testing, Inc.

Ref. No: 64990



TOOL DIAGRAM

Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Stiles #1 Job Ticket: 64990

DST#: 2

ATTN: Bi Felts

Test Start: 2019.02.18 @ 18:31:00

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length: 3015.00 ft Diameter: 0.00 ft Diameter: 3.88 inches Volume:

44.09 bbl 0.00 bbl Tool Weight:

2500.00 lb Weight set on Packer: 25000.00 lb

Drill Collar:

Length:

117.00 ft Diameter:

0.00 inches Volume: 2.25 inches Volume: Total Volume:

0.58 bbl 44.67 bbl

Weight to Pull Loose: 45000.00 lb 0.00 ft

Drill Pipe Above KB: Depth to Top Packer:

31.00 ft 3128.00 ft

Tool Chased String Weight: Initial

40000.00 lb

Depth to Bottom Packer: Interval between Packers:

ft 54.00 ft Final 40000.00 lb

Tool Length: Number of Packers: 81.00 ft 2

Diameter:

6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3102.00		
Shut in Tool	5.00			3107.00		
Hydraulic tool	5.00			3112.00		
Jars	5.00			3117.00		
Safety Joint	2.00			3119.00		
Packer	5.00			3124.00	27.00	Bottom Of Top Packer
Packer	4.00			3128.00		Dottom of Top Labitat
Stubb	1.00			3129.00		
Recorder	0.00	6772	Inside	3129.00		
Recorder	0.00	6769	Outside	3129.00		
Perforations	16.00			3145.00		
Change Over Sub	1.00			3146.00		
Drill Pipe	32.00			3178.00		
Change Over Sub	1.00			3179.00		
Bullnose	3,00			3182.00	54.00	Bottom Packers & Anchor

Total Tool Length:

81.00

Trilobite Testing, Inc.

Ref. No: 64990



FLUID SUMMARY

Palomino Petroleum Inc 7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Stiles #1
Job Ticket: 64990

ft

bbl

psig

Serial #:

Printed: 2019.02.22 @ 12:00:30

DST#: 2

ATTN: Bi Felts To

Test Start: 2019.02.18 @ 18:31:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight:

Filter Cake:

9.00 lb/gal

Viscosity: 51.00 sec/qt Water Loss: 10.38 in³

Resistivity: 7100.00

10.38 in³ ohm.m 7100.00 ppm 1.00 inches Cushion Type:

Cushion Length: Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 60000 ppm

Recovery Information

Recovery Table

 Length ft
 Description
 Volume bbl

 60.00
 WM 40%W 60%M
 0.295

 70.00
 Mud 100%M
 0.470

Total Length:

130.00 ft

Total Volume:

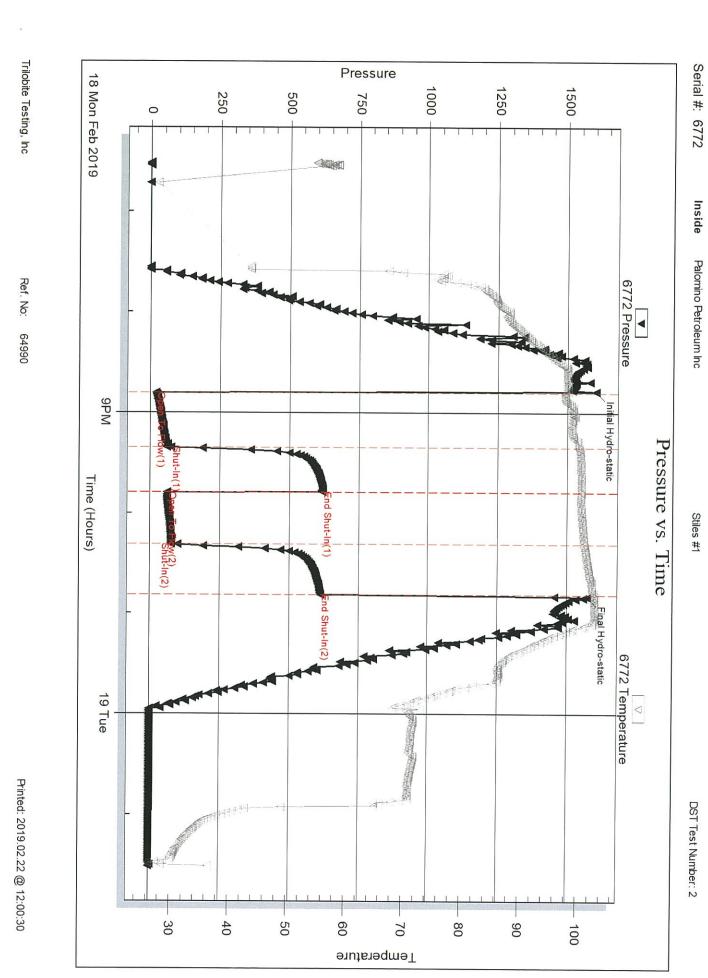
0.765 bbi

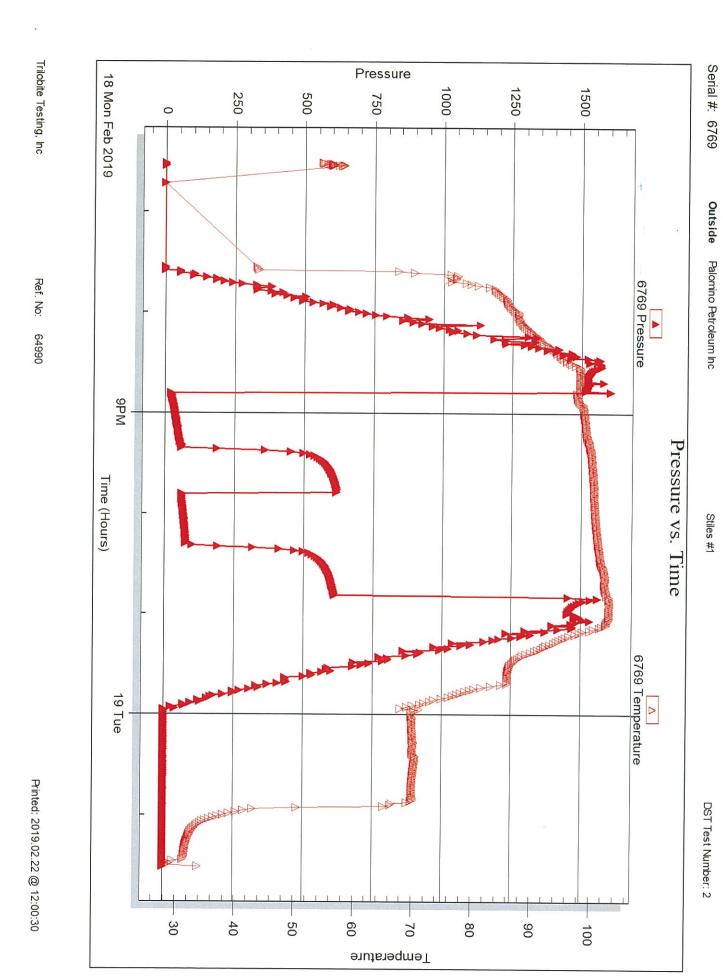
Num Fluid Samples: 0 Laboratory Name:

Num Gas Bombs: 0

Laboratory Location:

Recovery Comments: .434@20.4 RW







Prepared For:

Palomino Petroleum Inc.

2924 SE 84th St Newton KS 67114+8827

ATTN: Eli Felts

Stiles #1

7-16s-12w Barton,KS

Start Date: 2019.02.20 @ 15:16:01

End Date:

2019.02.20 @ 21:22:20

Job Ticket #: 64991

DST#: 3

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



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Job Ticket: 64991

Stiles #1

DST#: 3

ATTN: Eli Felts

Test Start: 2019.02.20 @ 15:16:01

GENERAL INFORMATION:

Formation:

Interval:

Total Depth:

Hole Diameter:

Arbuckle

Deviated: No Time Tool Opened:

Time Test Ended: 21:22:20

Whipstock:

ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester:

Benny Mulligan

Unit No:

1900.00 ft (KB)

Reference Elevations:

1889.00 ft (CF) 11.00 ft

KB to GR/CF:

3345.00 ft (KB) To 3385.00 ft (KB) (TVD) 3440.00 ft (KB) (TVD) 7.88 inches Hole Condition:

Serial #: 6772

Outside

Press@RunDepth:

psig @ 2019.02.20

3345.36 ft (KB)

2019.02.20

Capacity: Last Calib.: 8000.00 psig

Start Date:

15:16:01

End Date:

21:22:20

Time On Btm:

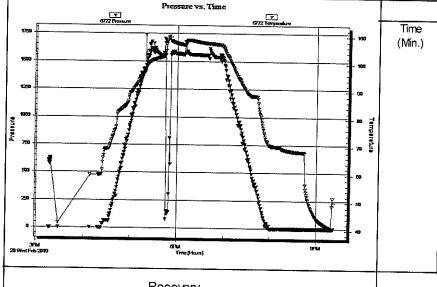
2019.02.21

Start Time:

End Time:

Time Off Btm:

TEST COMMENT: Packer failed - slid 6 ft - fill on bottom



	PRESSURE SUMMARY							
Temperetura	Time (Min.)	Pressure (psig)		Annotation				

Recovery · Length (ft) Description Volume (bbi)

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

Trilobite Testing, Inc.

Ref. No: 64991



Palomino Petroleum Inc.

7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Stiles #1

Job Ticket: 64991

DST#: 3

ATTN: Di Felts

Test Start: 2019.02.20 @ 15:16:01

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated: Time Tool Opened:

Time Test Ended: 21:22:20

Whipstock:

ft (KB)

Test Type:

Conventional Straddle (Initial)

Benny Mulligan

Tester:

Unit No:

Reference Elevations:

1900.00 ft (KB)

1889.00 ft (CF)

Total Depth: Hole Diameter:

Interval:

3345.00 ft (KB) To 3385.00 ft (KB) (TVD) 3440.00 ft (KB) (TVD)

KB to GR/CF:

11.00 ft

7.88 inches Hole Condition:

Serial #: 6769

Outside

Press@RunDepth: Start Date:

psig @ 2019.02.20

3345.36 ft (KB) End Date:

2019.02.20

Capacity: Last Calib.: 8000.00 psig

2019.02.21

Start Time:

15:16:01

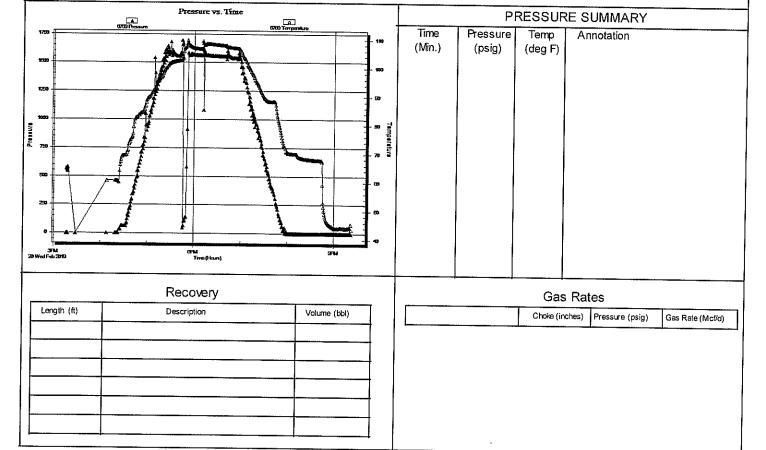
21:22:40

Time On Btm:

End Time:

Time Off Btm:

TEST COMMENT: Packer failed - slid 6 ft - fill on bottom





Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Job Ticket: 64991

Stiles #1

DST#: 3

ATTN: Eli Felts

Test Start: 2019.02.20 @ 15:16:01

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated: No Time Tool Opened:

Time Test Ended: 21:22:20

Whipstock:

ft (KB)

Test Type: Conventional Straddle (Initial)

Tester:

Benny Mulligan

Unit No:

Interval: Total Depth: 3345.00 ft (KB) To 3385.00 ft (KB) (TVD)

Reference Elevations:

1900.00 ft (KB)

3440.00 ft (KB) (TVD)

KB to GR/CF:

1889.00 ft (CF) 11.00 ft

Hole Diameter:

7.88 inches Hole Condition:

Serial #: 9058

Press@RunDepth:

psig @

3386.36 ft (KB)

2019.02.20

Capacity: Last Calib.: 8000.00 psig

Start Date: Start Time:

2019.02.20 15:16:05

End Date: End Time:

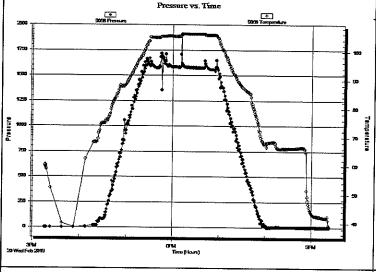
21:22:44

Time On Btm:

2019.02.21

Time Off Btm:

TEST COMMENT: Packer failed - slid 6 ft - fill on bottom



		· P	RESSUF	RE SUMMARY				
Ī	Time	Pressure		Annotation				
8	(Min.)	(psig)	(deg F)					
•								
Temperatura								
THE STATE								
-								
Ī								
			3					

Recovery					
Length (ft)	Description	Volume (bbl)			

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

Trilobite Testing, Inc.

Ref. No: 64991



7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Palomino Petroleum Inc

Stiles #1

Job Ticket: 64991

DST#: 3

TOOL DIAGRAM

ATTN: Eli Felts

Test Start: 2019.02.20 @ 15:16:01

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Drill Collar:

Length: 3227.00 ft Diameter: Length:

0.00 ft Diameter: 116.00 ft Diameter:

15.03 ft

3.88 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

47.19 bbl 1dd 00.0 0.57 bbl 47.76 bbl Tool Weight:

2500.00 lb

Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Tool Chased

6.00 ft

String Weight: Initial

49000.00 lb Final 49000.00 lb

Drill Pipe Above KB: Depth to Top Packer:

3345.00 ft Depth to Bottom Packer: 3440.36 ft

Interval between Packers: 95.36 ft Tool Length: 112.39 ft

3 Diameter:

6.75 inches

Number of Packers: Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00	· · · · · · · · · · · · · · · · · · ·		3328.97		
Shut In Tool	5.00			3333.97		
Hydraulic tool	5.00			3338.97		
Jars	2.05			3341.02		
Safety Joint	0.78			3341.80		
Packer	1.78			3343.58	17.03	Bottom Of Top Packer
Packer	1.42			3345.00		Domont of Top Lacket
Stubb	0.36			3345.36		
Recorder	0.00	6772	Outside	3345.36		
Recorder	0.00	6769	Outside	3345.36		
Drill Pipe	32.00			3377.36		
Perforations	1.00			3378.36		
Change Over Sub	1.00			3379.36		
Blank Off Sub	1.00			3380.36		
Packer - Shale	5.00			3385.36		
Stubb	1.00			3386.36		
Recorder	0.00	9058		3386.36		
Perforations	17.00			3403.36		
Change Over Sub	1.00			3404.36		
Drill Pipe	32.00		Below	3436.36		
Change Over Sub	1.00			3437.36		
Bullnose	3.00			3440.36	95.36	Bottom Packers & Anchor

Total Tool Length:

112.39

Trilobite Testing, Inc.

Ref. No: 64991



7-16s-12w Barton, KS

Stiles #1

2924 SE 84th St New ton KS 67114+8827

Palomino Petroleum Inc

Job Ticket: 64991

DST#: 3

FLUID SUMMARY

ATTN: Di Felts

Test Start: 2019.02.20 @ 15:16:01

Mud and Cushion Information

Mud Type: Gel Chem

9.00 lb/gal

Cushion Type:

Oil API:

deg API

Mud Weight: Viscosity:

47.00 sec/qt

Cushion Length: Cushion Volume: Water Salinity:

ppm

Water Loss:

9.59 in³

Gas Cushion Type:

ft bbl

Resistivity:

ohm.m

Gas Cushion Pressure:

psig

Salinity: Filter Cake: 8200.00 ppm 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

fŧ

Total Volume:

bbl

Num Fluid Samples: 0 Laboratory Name:

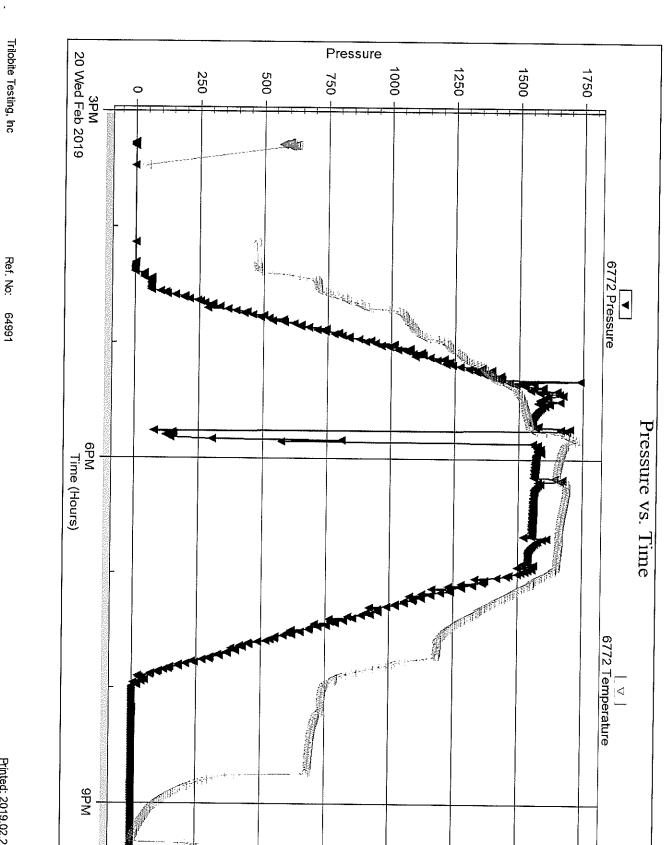
Num Gas Bombs: 0 Laboratory Location:

Serial #:

Recovery Comments:

Trilobite Testing, Inc.

Ref. No: 64991



Serial #: 6772

Outside Palomino Petroleum Inc

Stiles #1

DST Test Number: 3

40

50

60

80

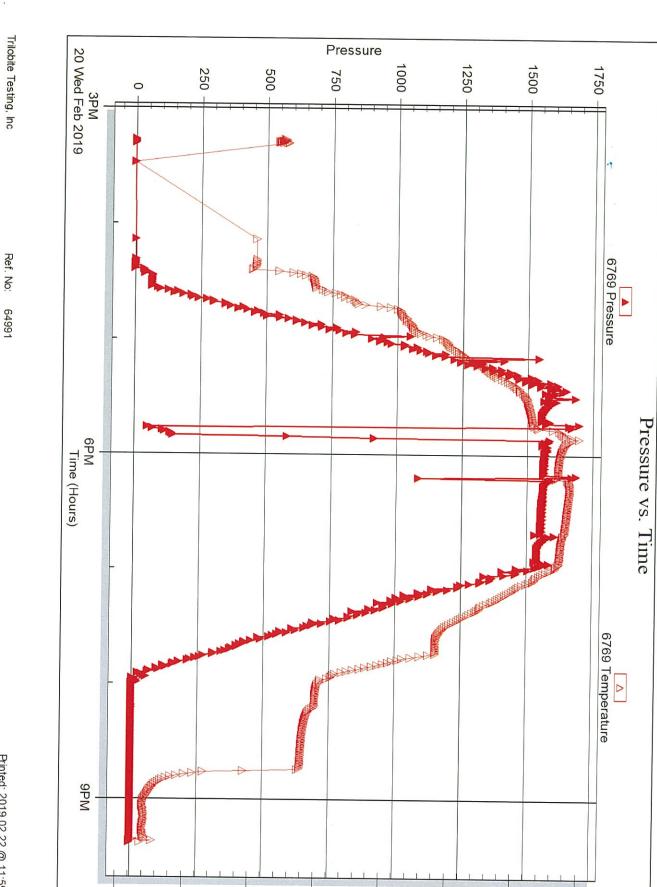
Temperature

90

100

110

70



Serial #: 6769

Outside Palomino Petroleum Inc

Stiles #1

DST Test Number: 3

50

40

60

70

80

Temperature

90

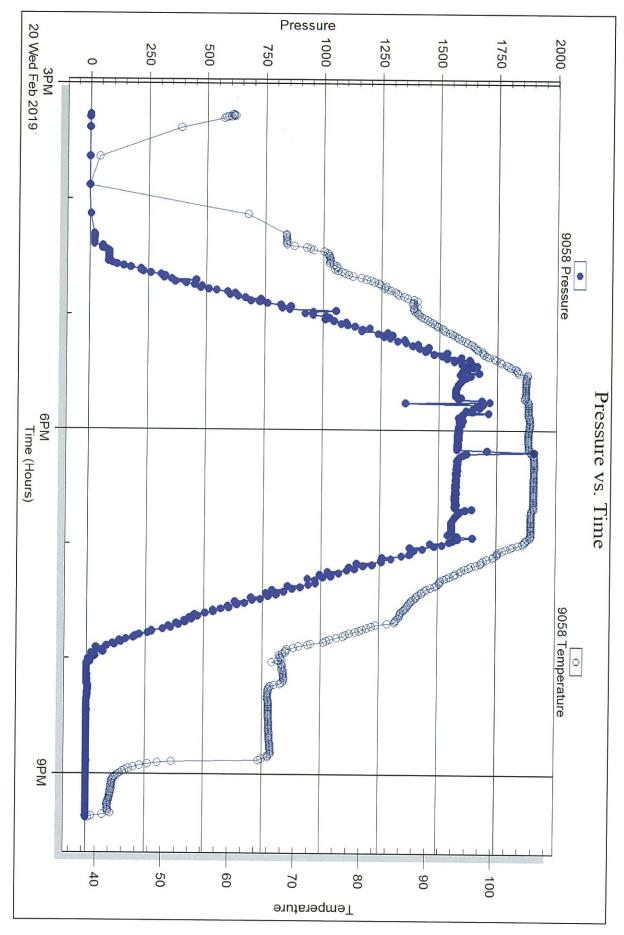
100

110

Printed: 2019.02.22 @ 11:59:45

Serial #: 9058

Palomino Petroleum Inc





Prepared For: Palomino Petroleum Inc

2924 SE 84th St Newton KS 67114+8827

ATTN: Eli Felts

Stiles #1

7-16s-12w Barton,KS

Start Date: 2019.02.21 @ 03:17:00 End Date: 2019.02.21 @ 11:19:30 Job Ticket #: 64992 DST #: 4

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



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Job Ticket: 64992

Stiles #1

DST#:4

ATTN: Di Felts

Test Start: 2019.02.21 @ 03:17:00

GENERAL INFORMATION:

Time Tool Opened: 06:12:20

Time Test Ended: 11:19:30

Formation:

Arbuckle

Deviated:

No

Whipstock:

ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester:

Benny Mulligan

Unit No:

1900.00 ft (KB)

1889.00 ft (CF)

Reference Elevations:

KB to GR/CF:

11.00 ft

Total Depth: Hole Diameter:

Interval:

3318.00 ft (KB) To 3385.00 ft (KB) (TVD) 3440.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Serial #: 6772

Inside

Press@RunDepth:

556.75 psig @ 2019.02.21

3325.00 ft (KB)

2019.02.21

Capacity: Last Calib .: 8000.00 psig

Start Date: Start Time:

03:17:01

End Date: End Time:

11:19:30

Time On Btm;

2019.02.21 2019.02.21 @ 06:12:00

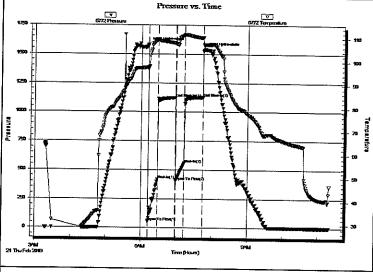
Time Off Btm:

2019.02.21 @ 07:46:50

TEST COMMENT: I.F.-15-BOB 1 min 45 sec total build of 107"

I.S.I.-30- Weak blow back that died F.F-15- BOB 2 mins total build of 64"

F.S.I.-30-no blow back



PRESSURE SUMMARY		RE SUMMARY		
	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	1580.45	97.49	Initial Hydro-static
	1	54.09	97.19	Open To Flow (1)
i	17	417.20	109.20	Shut-In(1)
	47	1123.01	107.91	End Shut-in(1)
7	47	404.65	107.70	Open To Flow (2)
Temperatur	62	556.75	111.26	Shut-In(2)
=	92	1125.27	110.02	End Shut-In(2)
ı	95	1538.04	106.86	Final Hydro-static
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Recover	У
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100.00 M.C.W. 10%M 90%W 128.00 M.W. 40%M 60%W	0.49
128.00 M.W. 40%M 60%W	4 = 0
	1.72
640.00 W.M. 25%W 75%M	9.36
320.00 W.C.M. 10%W 90%M	4.68

 Pressure (psig)	Gas Rate (Mcf/

Trilobite Testing, Inc.

Ref. No: 64992



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Stiles #1

Job Ticket: 64992

DST#:4

ATTN: Eli Felts

Test Start: 2019.02.21 @ 03:17:00

GENERAL INFORMATION:

Time Test Ended: 11:19:30

Formation:

Arbuckle

Deviated:

No

Whipstock: Time Tool Opened: 06:12:20

ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester:

Benny Mulligan

Unit No:

Interval:

3318.00 ft (KB) To 3385.00 ft (KB) (TVD)

Total Depth:

3440.00 ft (KB) (TVD)

Hole Diameter:

Reference Elevations:

1900.00 ft (KB)

1889.00 ft (CF)

7.88 inches Hole Condition: Fair

KB to GR/CF:

11.00 ft

Serial #: 9058 Press@RunDepth:

Outside

psig @

3325.00 ft (KB)

Capacity:

8000.00 psig

Start Date:

2019.02.21

End Date:

2019.02.21

Last Calib.: Time On Btm:

1899.12.30

Start Time:

03:17:05

End Time:

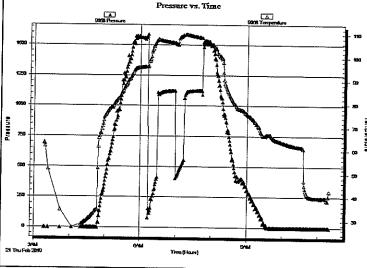
11:19:44

Time Off Btm:

TEST COMMENT: I.F.-15-BOB 1 min 45 sec total build of 107" I.S.I.-30- Weak blow back that died

F.F-15- BOB 2 mins total build of 64"

F.S.I.-30-no blow back



_		Р	RESSUF	RE SUMMARY	
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation	
Tamperefure					

Recovery

100.00 M.C.W. 10%M 90%W 0.49 128.00 M.W. 40%M 60%W 1.72 640.00 W.M. 25%W 75%M 9.36 320.00 W.C.M. 10%W 90%M 4.68	Length (ft)	Description	Volume (bbi)
640.00 W.M. 25%W 75%M 9.36	100.00	M.C.W. 10%M 90%W	0.49
200.00	128.00	M.W. 40%M 60%W	1.72
320.00 W.C.M. 10%W 90%M 4 68	640.00	W.M. 25%W 75%M	9.36
1.00	320.00	W.C.M. 10%W 90%M	4.68

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

Trilobite Testing, Inc.

Ref. No: 64992



Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St

New ton KS 67114+8827

Job Ticket: 64992

Stiles #1

DST#:4

ATTN: Bi Felts

Test Start: 2019.02.21 @ 03:17:00

GENERAL INFORMATION:

Formation:

Arbuckle

Deviated:

Interval:

No Whipstock:

ft (KB)

Test Type:

Conventional Straddle (Initial)

Tester:

Benny Mulligan

Time Tool Opened: 06:12:20 Time Test Ended: 11:19:30

Unit No:

66

3318.00 ft (KB) To 3385.00 ft (KB) (TVD)

Reference Elevations:

1900.00 ft (KB)

Total Depth: Hole Diameter: 3440.00 ft (KB) (TVD)

KB to GR/CF:

1889.00 ft (CF)

7.88 inches Hole Condition: Fair

11.00 ft

Serial #: 6769 Press@RunDepth: Below (Straddle)

psig @ 2019.02.21

3400.00 ft (KB) End Date:

2019.02.21

Capacity: Last Calib.: 8000.00 psig

Start Date:

03:17:01

End Time:

Time On Btm:

2019.02.21

Start Time:

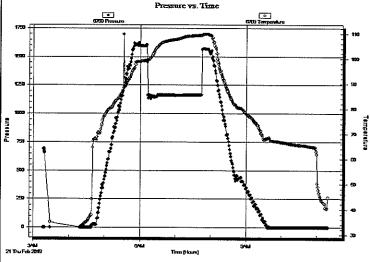
11:19:30

Time Off Btm:

TEST COMMENT: 1.F.-15-BOB 1 min 45 sec total build of 107"

I.S.I.-30- Weak blow back that died F.F-15- BOB 2 mins total build of 64"

F.S.I.-30-no blow back



	Pl	RESSUR	E SUMMARY
Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	

	, ,	3/	(
Temperetura				

Recovery

Description	Volume (bbl)
M.C.W. 10%M 90%W	0.49
M.W. 40%M 60%W	1.72
W.M. 25%W 75%M	9.36
W.C.M. 10%W 90%M	4.68
	M.C.W. 10%M 90%W M.W. 40%M 60%W W.M. 25%W 75%M

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

Trilobite Testing, Inc.

Ref. No: 64992



7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Palomino Petroleum Inc

Stiles #1

Job Ticket: 64992

DST#: 4

TOOL DIAGRAM

Test Start: 2019.02.21 @ 03:17:00

ATTN: Di Felts

Tool Information

Drill Pipe: Heavy Wt. Pipe: Length:

Length:

Length: 3205.00 ft Diameter:

32.00 ft

0.00 ft Diameter: 116.00 ft Diameter:

3.88 inches Volume: 0.00 inches Volume: 2.25 inches Volume:

Total Volume:

46.87 bbl 1dd 00.0 0.57 bbl 47.44 bbl

Tool Weight: Weight set on Packer: 25000.00 lb

2500.00 lb

Tool Chased

Weight to Pull Loose: 65000.00 lb

6.00 ft String Weight: Initial 51000.00 lb

57000.00 lb

Final

Drill Pipe Above KB: Depth to Top Packer:

Drill Collar:

3318.00 ft Depth to Bottom Packer: 3441.00 ft

Interval between Packers: 123.00 ft Tool Length:

152.00 ft

3 Diameter:

6.75 inches

Number of Packers: Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3290.00		
Shut in Tool	5.00			3295.00		
Hydraulic tool	5.00			3300.00		
Jars	5.00			3305.00		
Safety Joint	4.00			3309.00		
Packer	5.00			3314.00	29.00	Bottom Of Top Packer
Packer	4.00			3318.00		
Stubb	1.00			3319.00		
Perforations	5.00			3324.00		
Change Over Sub	1.00			3325.00		
Recorder	0.00	6772	Inside	3325.00		
Recorder	0.00	9058	Outside	3325.00		
Drill Pipe	32.00			3357.00		
Change Over Sub	1.00			3358.00		
Perforations	23.00			3381.00		
Blank Off Sub	1.00			3382.00		
Packer - Shale	4.00			3386.00		
Stubb	1.00			3387.00		
Perforations	12.00			3399.00		
Change Over Sub	1.00			3400.00		
Recorder	0.00	6769	Below	3400.00		
Drill Pipe	32.00			3432.00		
Change Over Sub	1.00			3433.00		
Perforations	5.00			3438.00		
Bullnose	3.00			3441.00	123.00	Bottom Packers & Anchor
Total Tool Length:	152.00				,	

Trilobite Testing, Inc

Ref. No: 64992



FLUID SUMMARY

deg API

26000 ppm

Palomino Petroleum Inc

7-16s-12w Barton, KS

2924 SE 84th St New ton KS 67114+8827

Stiles #1

Job Ticket: 64992

DST#: 4

ATTN: Bi Felts

Test Start: 2019.02.21 @ 03:17:00

Oil API:

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem

9.00 ib/gal

Mud Weight: Viscosity: Water Loss:

47.00 sec/qt 9.59 in³

Resistivity: Salinity:

ohm.m 8200.00 ppm

Filter Cake:

1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume: Gas Cushion Type:

Gas Cushion Pressure:

psig

ft

ldd

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	M.C.W. 10%M 90%W	0.492
128.00	M.W. 40%M 60%W	1.717
640.00	W.M. 25%W 75%M	9.359
320.00	W.C.M. 10%W 90%M	4.680

Total Length:

1188.00 ft

Total Volume:

16.248 bbl

0

Num Fluid Samples: 0

Num Gas Bombs:

Serial #:

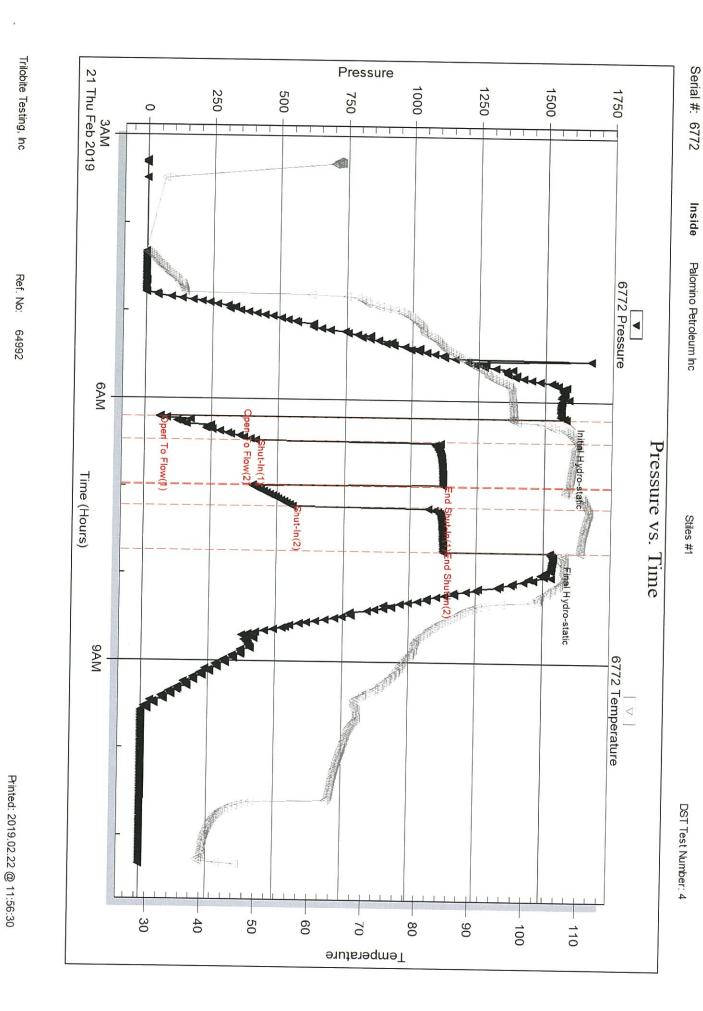
Laboratory Name:

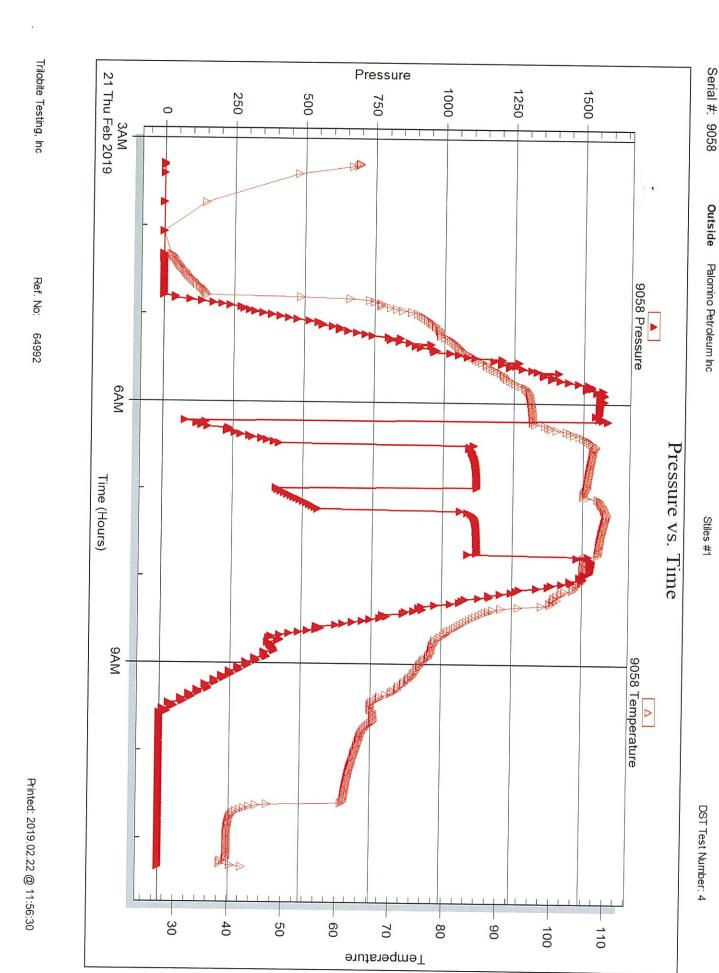
Laboratory Location:

Recovery Comments: .444@39.1

Trilobite Testing, Inc.

Ref. No: 64992





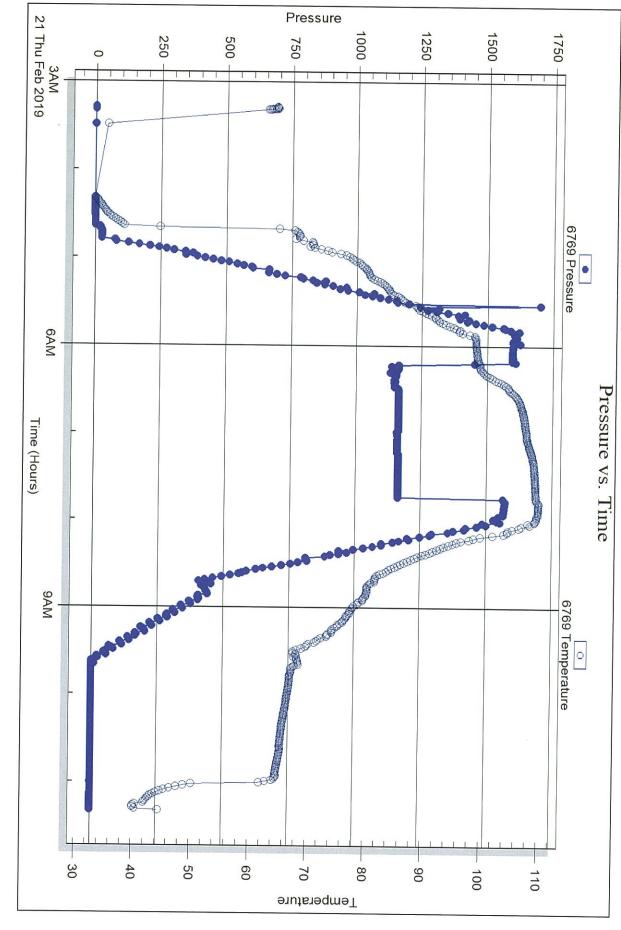


Below (Strachitien)no Petroleum Inc

Serial #: 6769

Stiles #1







RILOBITE ESTING INC.

Test Ticket

1515 Commerce Parkway • Hays, Kansas 67601

NO. 64989

Well Name & No. Stiles #1		Test No.			1-7019
Company Palomino Petroleun	n Inc		900'	KB_/88	9 GL
Address 2924 5E 84th c+			8877	NO	-/GL
Co. Rep/Geo. Eli Felts		Rig Ww	114		
Location: Sec. 7 Twp 165	Rge. 12 w	Co	-0i0	State	105
Interval Tested 2934-2998	Zone Tested	Topeku		7.000	
Anchor Length 64'	Drill Pipe Run	286528	22	Mud Wt. 9.0	
Top Packer Depth 72929	Drill Collars Run	7		Vis 52	
Bottom Packer Depth 2934	Wt. Pipe Run			WL 8,8	
Total Depth 7998	Chlorides /	2000 nnr	n System	LCM AND S) /#
Blow Description IF-total build	2"		ii oysieiii	LOW	
TSI-noblow box	cK				
	ushed tool and	built to 1	11		
FSI- no blow bac		0-11.			
Rec 65 Feet of W. C.M.		%gas	%oil	5 %water	75 %mud
Rec Feet of		%gas	%oil	%water	
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total <u>65'</u> BHT <u>940</u>	Gravity			Chlorides	%mud
(A) Initial Hydrostatic 145Z	_ E Test 1200		T-On Lo		ppm
(B) First Initial Flow	_ 250		T-Starte	/	
(C) First Final Flow 32	Safety Joint 7	5	T-Open	5 1	
(D) Initial Shut-In	_ Circ Sub		T-Pulled		
(E) Second Initial Flow34	_ ☐ Hourly Standby		T-Out _	1:43	
(F) Second Final Flow	_ Mileage 50		Comme	nts <u>flushed +</u>	no lev
(G) Final Shut-In 770	Q Sampler		2n	d open	
(H) Final Hydrostatic 1415	Straddle		·		
	☐ Shale Packer			Tool	
nitfal Open				ied Shale Packer	
nitial Shut-In30	Extra Packer			ed Packer	
Final Flow 30				Copies	
Final Shut-In 30	Day Standby		Sub Tota Total	1575	
	Sub Total 1575				
Approved By		Benresentative R		Disc't	



Test Ticket

No. 64990

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No. 5+1/25 #1	****	Test No2	-	Date12	1-2019
Company Palomino Petroleum		Elevation	_	<u>кв_/88</u>	
Address 2924 SE 84+Ks+ 1	Venton KS	67114+9			
Co. Rep / Geo. 61, 615		Rig <u>WW</u>	14		
Location: Sec. 7 Twp 165	_ Age 12 w	_coBart	٥٨	State	<u>KS</u>
Interval Tested 3128 - 3182	Zone Tested	to Lansing	C-F		
Anchor Length 54/		3015		Mud Wt. 9.	7
Top Packer Depth 3123	Drill Collars Run			Vis 5/	,
Bottom Packer Depth 3128	Wt. Pipe Run			WL/(), C	?
Total Depth 3182	Chlorides	OO ppm	System	LCM/	f
Blow Description IF built to 4"			7		
ISI-noblow back					
FF- built to 2"					
FSt - no blow back					
Rec 70 Feet of Mud		%gas	%oil	%water	/00 %mud
Rec 60 Feet of 1/1/1/1/1		%gas	%oil	4 c %water	60 %mud
Rec Feet of		%gas	%oil	%water	%mud
RecFeet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 130 BHT 103	Gravity	API RW :434 @	20.4 °F	Chlorides 60,	
(A) Initial Hydrostatic 1602	9 Test 1200			ocation 600	
(B) First Initial Flow 20	√ Jars250		T-Starte	ed <u>631</u>	
(C) First Final Flow	Safety Joint 75			8:48	
(D) Initlal Shut-In	Circ Sub		T-Pulled	1	
(E) Second Initial Flow 6	O Hourly Standby		T-Out _		
(F) Second Final Flow	Mileage 50 F	₹T 50	Comme	nts	
(G) Final Shut-In 6	☐ Sampler				
(H) Final Hydrostatic 1574	☐ Straddle		——— П Е М	Tool	
2.	☐ Shale Packer			ned Shale Packer_	
Initial Open	Extra Packer			ned Packer	
Initial Shut-In 35	Extra Recorder			a Copies	
Final Flow 30	Day Standby		Sub Tota	. 0	
Final Shut-In	☐ Accessibility			1575	
	Sub Total 1575		MP/DS	T Disc't	
Approved By	Our	Representative (May Ilian	



[RILOBITE] ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64991

Well Name & No. Stiles #1		Test No		Date 7-20-	2019
company Palomino Petroleum =		Elevation(GL
Address 2924 SE RYTH 54		67114+88	727		GL
Co. Rep/Geo. Eli felts		Rig/∨ u			
Location: Sec Twp	Rge12 w	co. Bart	en_	Statek	S
Interval Tested 3345-3385	Zone Tested	Arbuckte			
Anchor Length \iint 🤟	Drill Pipe Run	_ 3227	M	ud Wt. 7./	
Top Packer Depth	Drill Collars Ru	n		s 47	·- · · · · · · · · · · · · · · · · · ·
Bottom Packer Depth_3345				9.6	
Total Depth		3,20 ₀ ppm	_		
Blow Description IF					
IST V Pac	ver family		 		
FF NOW				-	
FST					
Rec Feet of		%gas	%oil	%waler	%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 BHT					ppm
A) Initial Hydrostatic				ion <u>Zios</u>	
B) First Initial Flow	•			3:16	
C) First Final Flow	Safety Joint	75	T-Open		
D) Initial Shut-In	\		T-Pulled		
E) Second Initial Flow			T-Out	9:24	
F) Second Final Flow	M Mileage 50 f		Comments	7	
G) Final Shut-In	☐ Sampler			ill in batton	1 or
H) Final Hydrostatic	Straddle 60		the h	ol <u> </u>	
i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	Shale Packer_	250		Shale Packer	
nitial Open				Packer	
nitial Shut-In				opies	
Final Flow	Day Standby		Sub Total _	0	
-inal Shut-In	Accessibility		Total2	175	
,	Sub Total 217		_	Disc't	
		or Representative	sennu m	ullian	

Approved By

Our Representative

Standy Multiple

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 its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



RILOBITE ESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64992

· · · · · · · · · · · · · · · · · · ·						
Well Name & No. 5tiles #1		Test No		Date	-21-20	119
Company Palomino Petroleu	im Inc	_	_	кв(889	GL
Address 2924 SE 84th 5+	1		+887	27	•	
Co. Rep/Geo. Ch' Felts						
Location: SecTwp165	_Rge12 w	co. Bort	1	Sta	te <u>KS</u>	
Interval Tested 33/8 - 33/85	Zone Tested _Ack	ancKie.				
Anchor Length 61	Drill Pipe Run	700 JU	.05	Mud Wt.	9-1	
Top Packer Depth 3313	Drill Collars Run	111		Vis	47	
Bottom Packer Depth_3318	Wt. Pipe Run			WL	9.6	
Total DepthS440	Chlorides \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	mag ک(System	LCM /	1#	
Blow Description + f-BOB Imin 45;			4			
tSI- weak blow buck						
FF-BOB Zmins to	. 1	54"				
FSI-noblow back						
Rec 320 Feet of W.C.m.		%gas	%oil	/() %wa	ater 90	%mud
Rec 640 Feet of W.M.		%gas	%oil	25 %wa	ater 75	%mud
Rec 128 Feet of M.W.		%gas	%oil	60 %wa	· · · ·	
Rec_100 Feet of M.C.W.		%gas	%oil	90 %wa	ater /()	%mud
Rec Feet of		%gas	%oil	%wa	ater	%mud
Rec Total / 188 BHT 106.4	Gravity AP	1 RW_ <u>+444_</u> @	39-1°F	Chlorides	26,000	
(A) Initial Hydrostatic 1580	区 Test 1200			ocation/:	. \	
(B) First Initial Flow 54	9 Jars250			ed	17	
(C) First Final Flow 417	Salety Joint 75)	T-Oper	n <u>6</u>	12	
(D) Initial Shut-In 1725	☐ Circ Sub		T-Pulle	$d = \underline{Z'}$	45	
(E) Second Initial Flow 404	☐ Hourly Standby		T-Out_		15	
(F) Second Final Flow 556	M Mileage 50 RT	- 50	Comm	ents	·	
(G) Final Shut-In 1125	☐ Sampler					
(H) Final Hydrostatic 1538	Straddle 600					
	A Shale Packer 250)		1 Tool		
Initial Open	Extra Packer			ined Shale Pa		-
Initial Shut-In30	Extra Recorder			ined Packer		
Final Flow	Day Standby		Sub To	ra Copies		
Final Shut-In 30	Accessibility		Total_	0.105	*****	
	Sub Total 2425		·	ST Disc't		
Approved By		arasastativa R				