

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**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:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1550

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-14-19	2	11	17	Ellis	KS		

Location Cadell RD. + River RD Jct. 1 N

Lease Slimmer Well No. #1 Owner W/E N into

Contractor White Knight Dalg. To Quality Oilwell Cementing, Inc.  
Type Job Port Collor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8 T.D. 3536' Charge To Anchor Bay Petroleum LLC

Csg. 5 1/2 #15.5 Depth 3488.85 Street

Tbg. Size Depth City State

Tool Port Collor Depth 1121.16' The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. ☒ Shoe Joint 42.05' Cement Amount Ordered 180SK com + 10Y. salt +

Meas Line Displace 82<sup>bu</sup>/H<sub>2</sub>O + 5Y. oil (500gal) mud flush

**EQUIPMENT** Common /80

Pumptrk #17 No. Cementer Tony P Poz. Mix

Bulktrk No. Helper Rick Gel.

Bulktrk 15 No. Driver Jack Calcium

**JOB SERVICES & REMARKS** Hulls

Remarks: USED: 180SK 10Y. salt. Salt 15

Rat Hole 30SK Flowseal

Mouse Hole 0 Kol-Seal 800#

Centralizers 1, 2, 6, 11, 17 Mud CLR 48 500 gal

Baskets 4, 5, 7 CFL-117 or CD110 CAF 38

D/V or Port Collar 58 - 1121.16' Sand

\* Ran Csg 5 1/2 @ 3488.85' Handling 203

\* Broke circulation. Mileage

\* 500 gal mud flush + 20<sup>bu</sup> ahead

\* 30SK RAT hole

\* 180SK com 10Y. salt + 5Y. oil

\* Cleared lines

\* Displaced cement @ 82<sup>bu</sup> H<sub>2</sub>O

\* landed 5/8" plug @ #1500 ps.

\* Released Back OK

Thanks

Pumptrk Charge prod string

Mileage 24

Signature [Signature] Tax

Discount

Total Charge

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

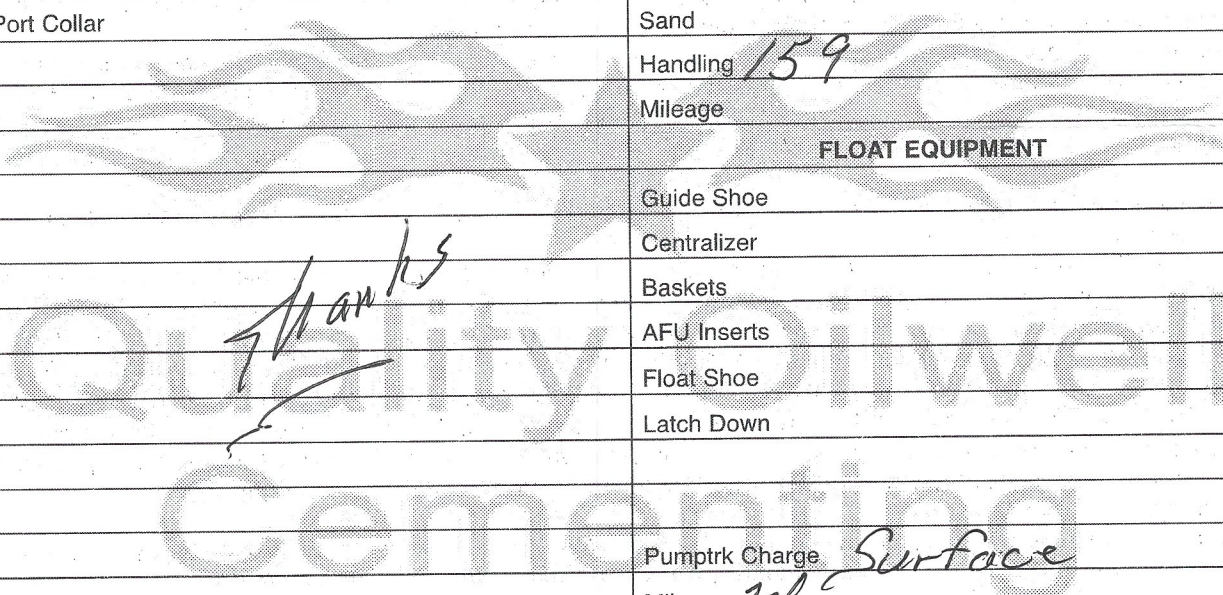
No. 1463

Phone 785-483-2025

Cell 785-324-1041

Date	7-7-19	Sec.	2	Twp.	11	Range	17	County	Ellis	State	Ks	On Location		Finish	6:30PM	
Lease	Slimmer			Well No.	1		Owner	Cade'll Rd + River Rd Jct, IN, 1/4E N/Into - Stay west of Rig								
Contractor	White Knight			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.												
Type Job	Surface			Charge To Anchor Bay Petroleum												
Hole Size	12 1/4"		T.D.	220'		Street										
Csg.	8 5/8"		Depth	218'		City										
Tbg. Size			Depth			State										
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement Left in Csg.	15'		Shoe Joint	15'		Cement Amount Ordered 150 80/20 3% CC 2% Gel										
Meas Line			Displace	12 3/4 BLS												
<b>EQUIPMENT</b>																
Pumptrk	17	No.	Cementor	David		Common 120										
			Helper			Poz. Mix 30										
Bulktrk	14	No.	Driver	Doug		Gel. 3										
			Driver			Calcium 6										
Bulktrk	p.u.	No.	Driver	Rick		Hulls										
			Driver			Salt										
<b>JOB SERVICES &amp; REMARKS</b>																
Remarks:	Cement did			Circulate			Flowseal <del>50'</del>									
Rat Hole							Kol-Seal									
Mouse Hole							Mud CLR 48 <del>100'</del>									
Centralizers							CFL-117 or CD110 CAF 30									
Baskets							Sand									
DV or Port Collar							Handling 159									
							Mileage									
<b>FLOAT EQUIPMENT</b>																
							Guide Shoe									
							Centralizer									
							Baskets									
							AFU Inserts									
							Float Shoe									
							Latch Down									
							Pumptrk Charge Surface									
							Mileage 24									
							Tax									
							Discount									
							Total Charge									
X Signature	Terry Acosta															

Thanks







## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC.**

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassman

### **Slimmer #1**

### **2-11S-17W Ellis,KS**

Start Date: 2019.07.10 @ 14:51:00

End Date: 2019.07.10 @ 19:15:45

Job Ticket #: 65943                      DST #: 1

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

Printed: 2019.07.16 @ 16:32:09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65943

**DST#: 1**

ATTN: Ed Glassman

Test Start: 2019.07.10 @ 14:51:00

## GENERAL INFORMATION:

Formation: **Lower Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:13:45

Time Test Ended: 19:15:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **3034.00 ft (KB) To 3051.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3051.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: 23.70 psig @ 3035.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.10 End Date: 2019.07.10

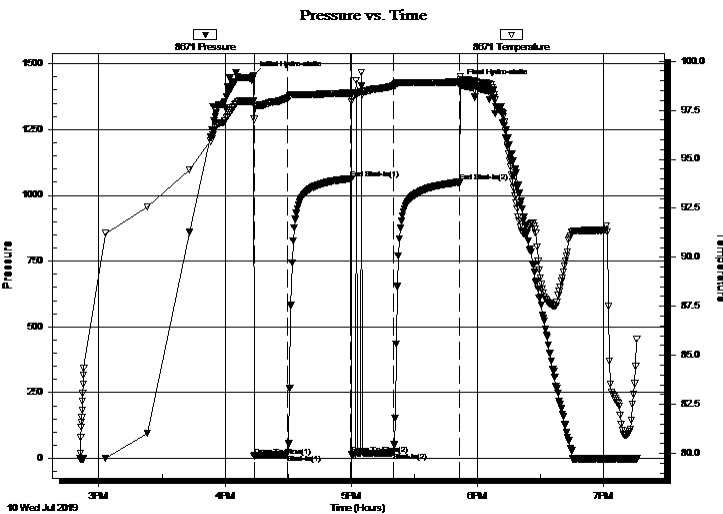
Last Calib.: 2019.07.10

Start Time: 14:51:05 End Time: 19:15:44

Time On Btm: 2019.07.10 @ 16:13:30

Time Off Btm: 2019.07.10 @ 17:52:00

**TEST COMMENT:** 15 - IFP - Surface blow slow ely built to 3/4"  
30 - ISI - No Return  
15 - FFP - Opened tool flushed then Surface blow slow ely built to 3/4"  
30 - FSI - No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1453.90	97.97	Initial Hydro-static
1	9.22	97.05	Open To Flow (1)
16	14.91	98.10	Shut-In(1)
46	1063.43	98.38	End Shut-In(1)
47	16.09	97.94	Open To Flow (2)
67	23.70	98.73	Shut-In(2)
98	1050.23	98.94	End Shut-In(2)
99	1423.94	99.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	OSWM - Oil Spots - 45%w - 55%w	0.21

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65943

**DST#: 1**

ATTN: Ed Glassman

Test Start: 2019.07.10 @ 14:51:00

## Tool Information

Drill Pipe:	Length: 3046.36 ft	Diameter: 3.25 inches	Volume: 31.26 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 31.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.36 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3034.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3019.00	
Hydraulic tool	5.00			3024.00	
Packer	5.00			3029.00	20.00 Bottom Of Top Packer
Packer	5.00			3034.00	
Stubb	1.00			3035.00	
Recorder	0.00	8360	Inside	3035.00	
Recorder	0.00	8671	Outside	3035.00	
perforations	13.00			3048.00	
Bullnose	3.00			3051.00	17.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>37.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65943

**DST#: 1**

ATTN: Ed Glassman

Test Start: 2019.07.10 @ 14:51:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OSWM - Oil Spots - 45%w - 55%m	0.205

Total Length: 20.00 ft      Total Volume: 0.205 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

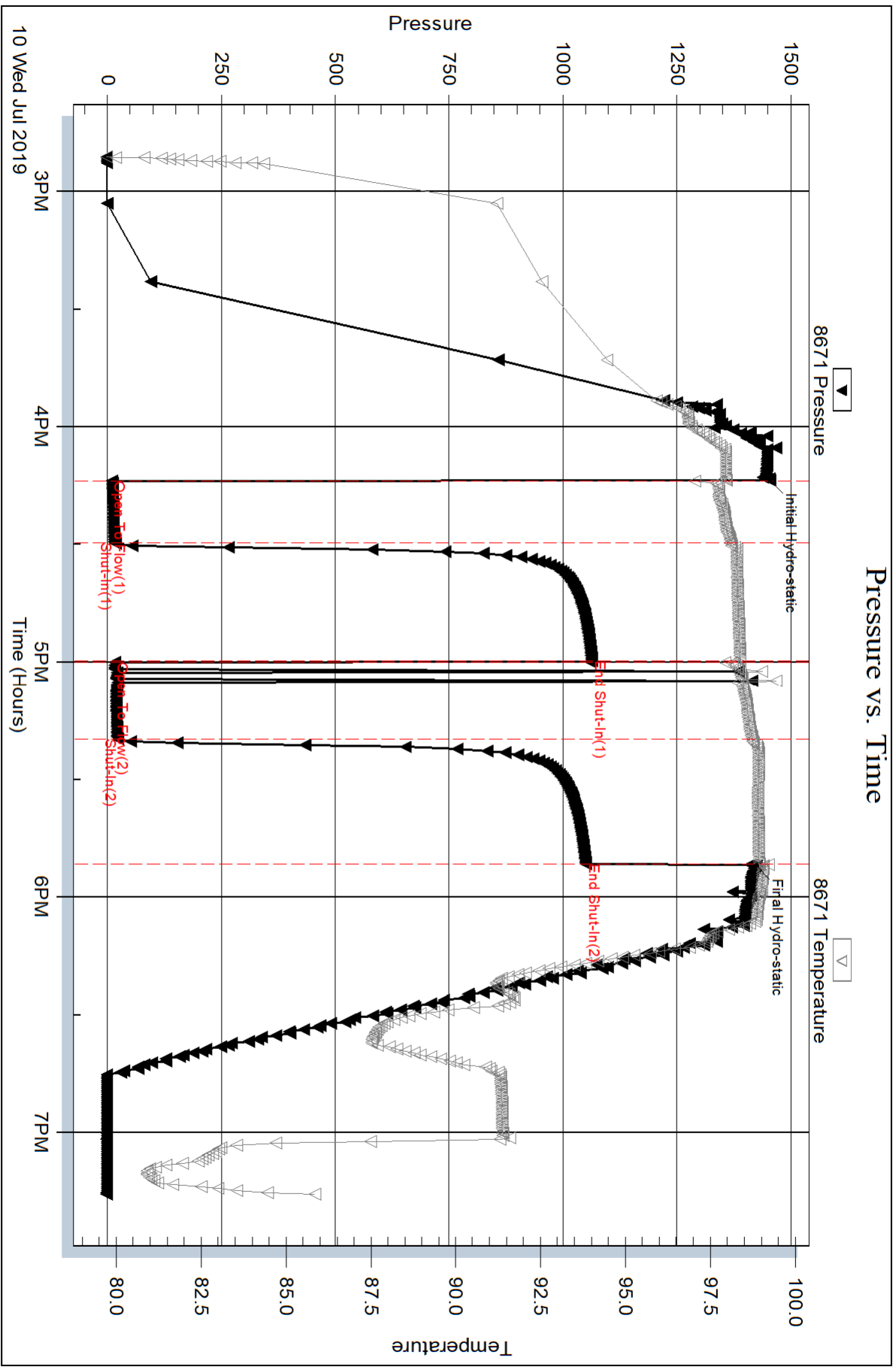
Recovery Comments: salinity - .646@91 deg.

Serial #: 8671

Outside Anchor Bay Petroleum LLC

Slimmer #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65943

Printed: 2019.07.16 @ 16:32:10

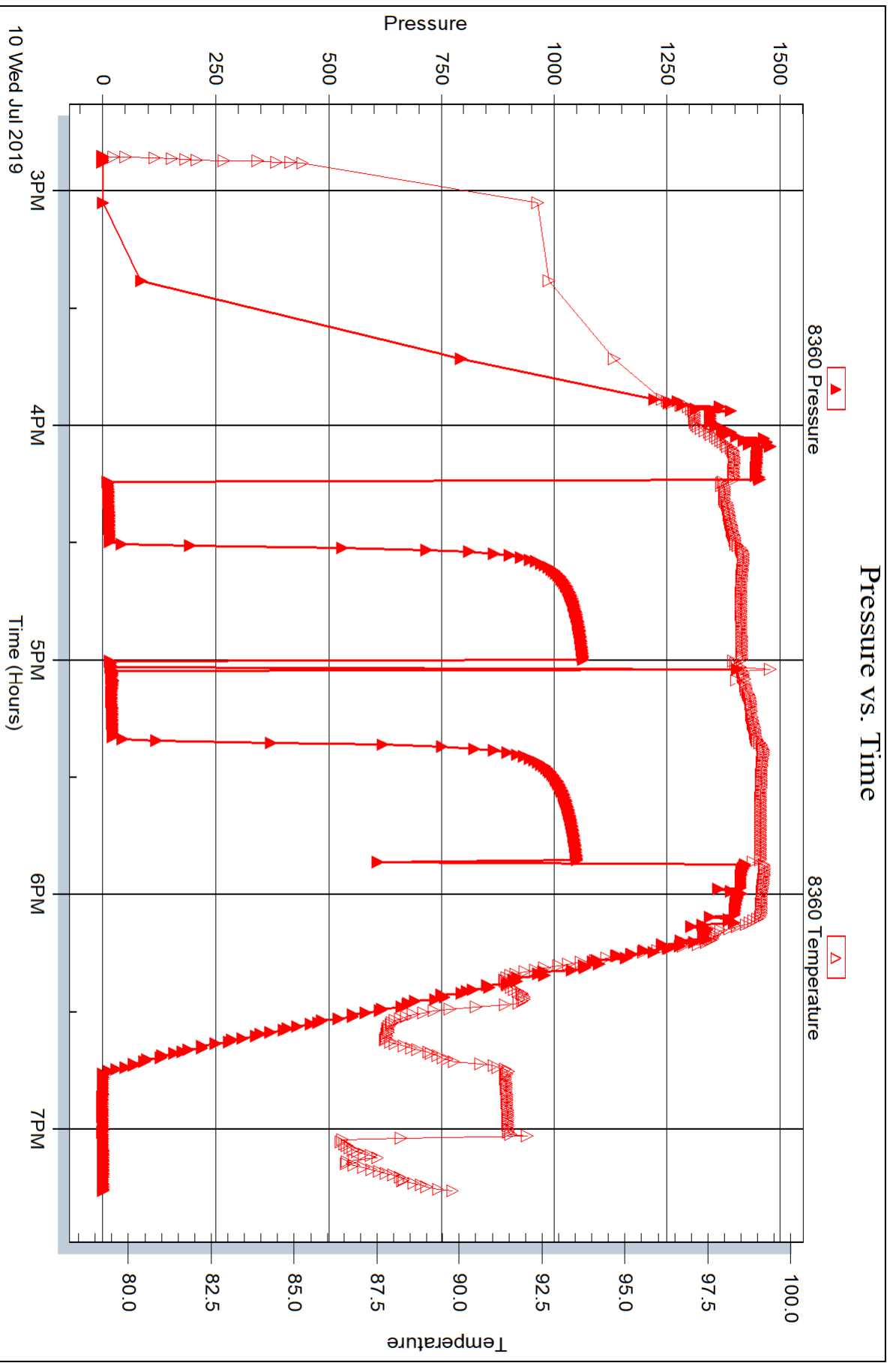
Serial #: 8360

Inside

Anchor Bay Petroleum LLC.

Slimmer #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65943

Printed: 2019.07.16 @ 16:32:10



## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC.**

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassman

### **Slimmer #1**

### **2-11S-17W Ellis,KS**

Start Date: 2019.07.11 @ 15:00:00

End Date: 2019.07.11 @ 21:07:30

Job Ticket #: 65944                      DST #: 2

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

Printed: 2019.07.16 @ 16:31:44



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65944

**DST#: 2**

ATTN: Ed Glassman

Test Start: 2019.07.11 @ 15:00:00

## GENERAL INFORMATION:

Formation: **Lansing H - K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:15

Time Test Ended: 21:07:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: **3238.00 ft (KB) To 3340.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: 39.72 psig @ 3239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.11

End Date:

2019.07.11

Last Calib.:

2019.07.11

Start Time: 15:00:05

End Time:

21:07:29

Time On Btm:

2019.07.11 @ 16:51:30

Time Off Btm:

2019.07.11 @ 19:43:45

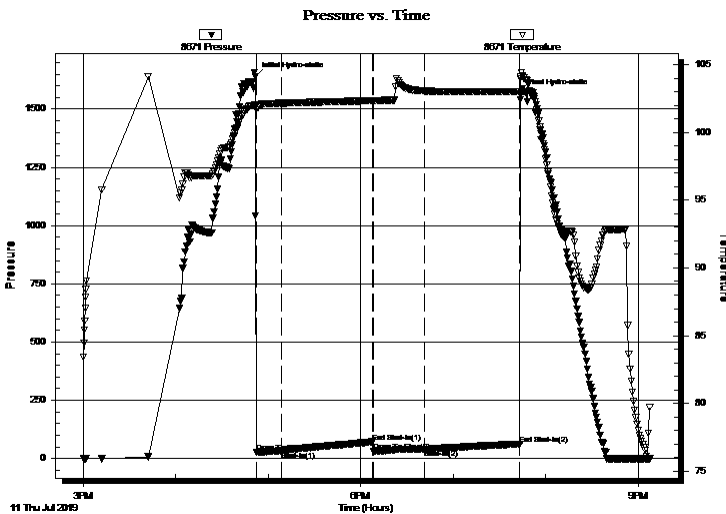
TEST COMMENT: 15 - IFP - Surface blow gradually built to 4"

60 - ISI - No Return

35 - FFP - Surface blow slowly built to 1", Flushed tool, blow built to 1 3/4", then died off to 1"

60 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.73	102.03	Initial Hydro-static
1	27.29	101.67	Open To Flow (1)
17	32.35	102.15	Shut-In(1)
77	70.83	102.33	End Shut-In(1)
77	30.24	102.33	Open To Flow (2)
110	39.72	103.05	Shut-In(2)
172	62.24	102.98	End Shut-In(2)
173	1564.32	104.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
58.00	OCM - 15%o - 85%m	0.60

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65944

**DST#: 2**

ATTN: Ed Glassman

Test Start: 2019.07.11 @ 15:00:00

## Tool Information

Drill Pipe:	Length: 3236.80 ft	Diameter: 3.25 inches	Volume: 33.21 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 33.21 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.80 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3238.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	102.00 ft				
Tool Length:	122.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3223.00	
Hydraulic tool	5.00			3228.00	
Packer	5.00			3233.00	20.00 Bottom Of Top Packer
Packer	5.00			3238.00	
Stubb	1.00			3239.00	
Recorder	0.00	8360	Inside	3239.00	
Recorder	0.00	8671	Outside	3239.00	
perforations	33.00			3272.00	
Change Over Sub	1.00			3273.00	
Drill Pipe	63.00			3336.00	
Change Over Sub	1.00			3337.00	
Bullnose	3.00			3340.00	102.00 Bottom Packers & Anchor

**Total Tool Length: 122.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65944

**DST#: 2**

ATTN: Ed Glassman

Test Start: 2019.07.11 @ 15:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
58.00	OCM - 15%o - 85%m	0.595

Total Length: 58.00 ft      Total Volume: 0.595 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

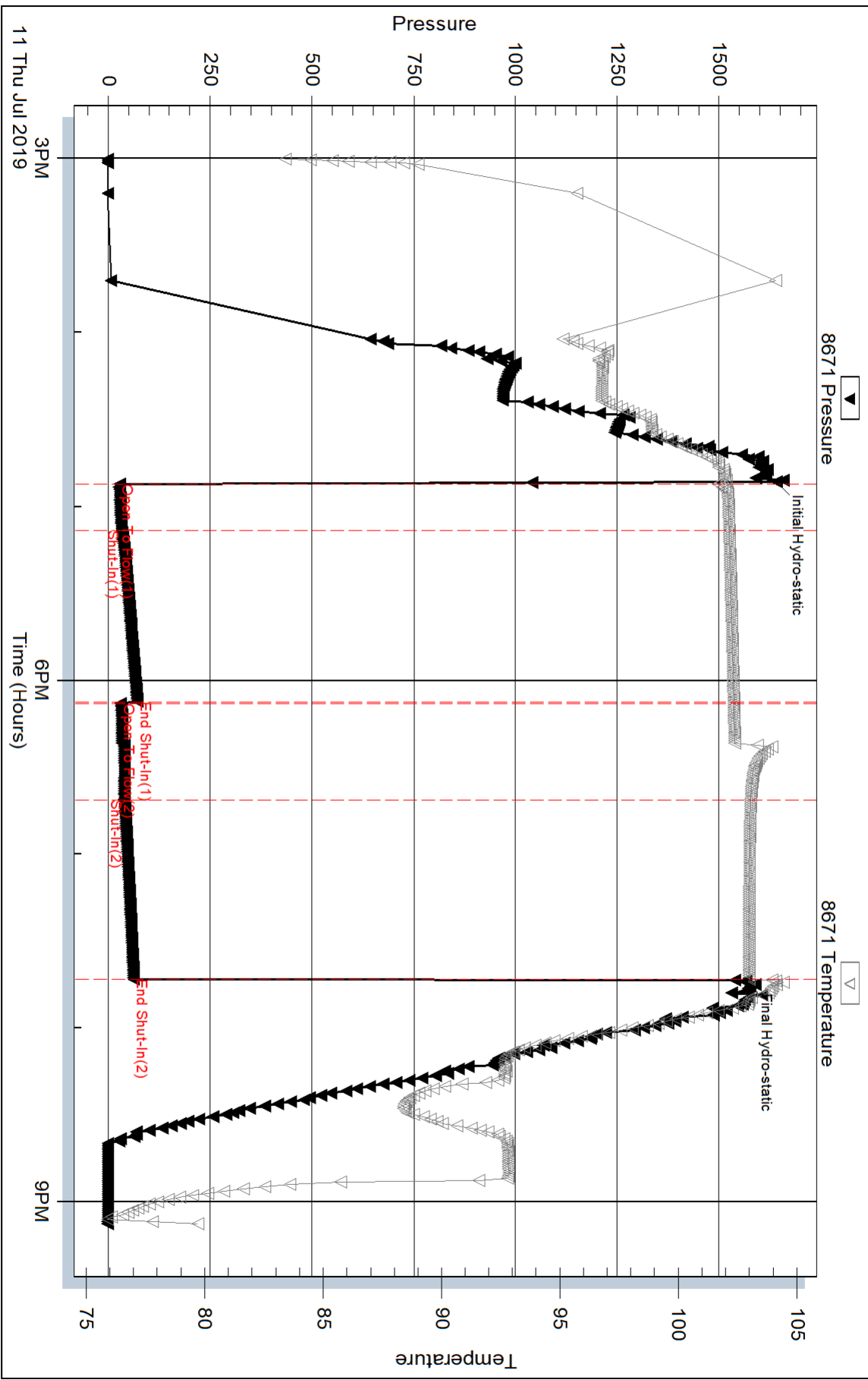
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



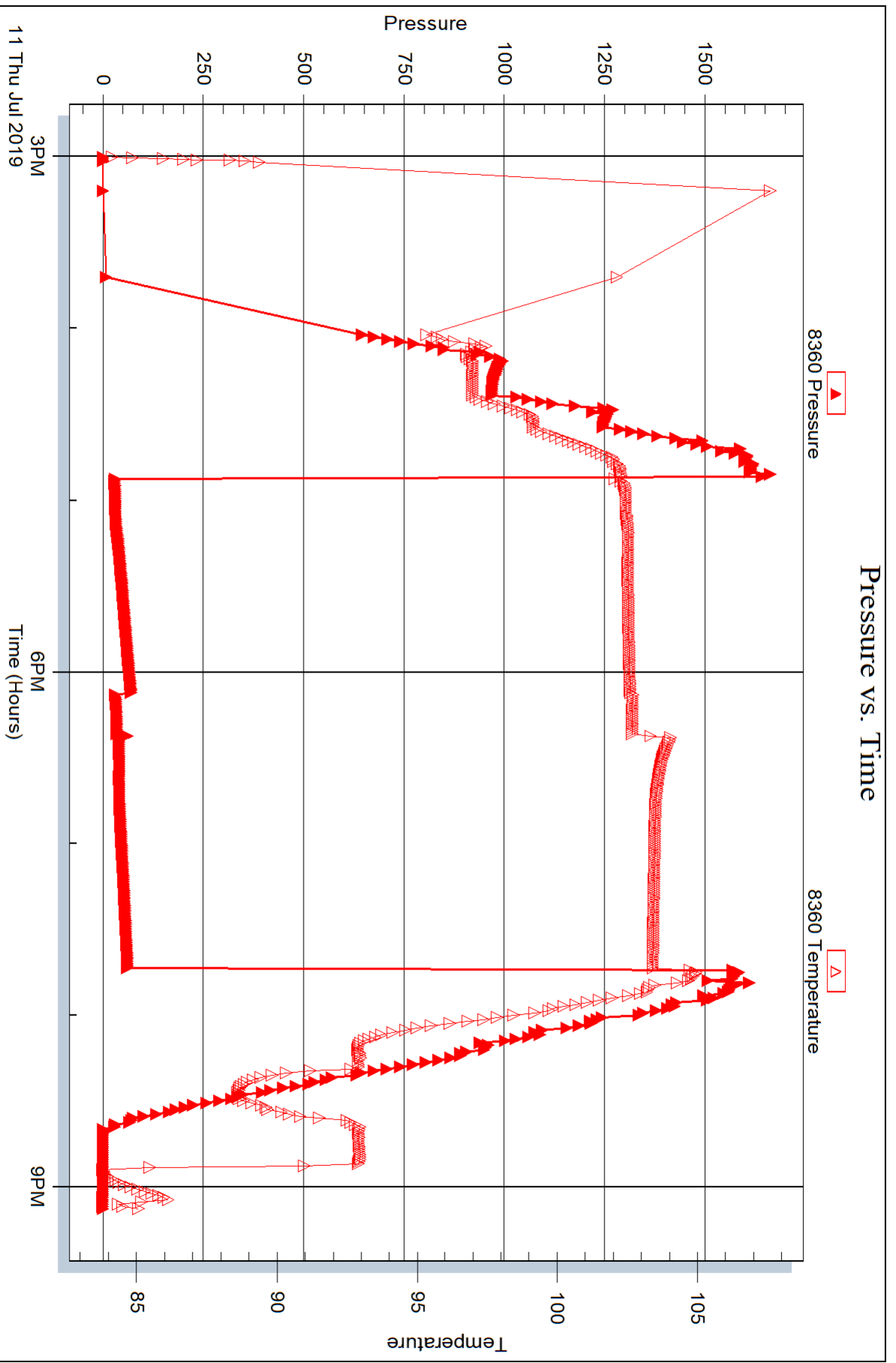
Serial #: 8360

Inside

Anchor Bay Petroleum LLC.

Slimmer #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65944

Printed: 2019.07.16 @ 16:31:45



## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC.**

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassman

### **Slimmer #1**

### **2-11S-17W Ellis,KS**

Start Date: 2019.07.12 @ 05:02:00

End Date: 2019.07.12 @ 11:10:30

Job Ticket #: 65945                      DST #: 3

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

Printed: 2019.07.16 @ 16:31:20



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65945

**DST#: 3**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 05:02:00

## GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:39:00

Time Test Ended: 11:10:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

**Interval: 3337.00 ft (KB) To 3401.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3401.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8671**

**Outside**

Press@RunDepth: 67.64 psig @ 3338.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.12

End Date:

2019.07.12

Last Calib.:

2019.07.12

Start Time: 05:02:05

End Time:

11:10:29

Time On Btm:

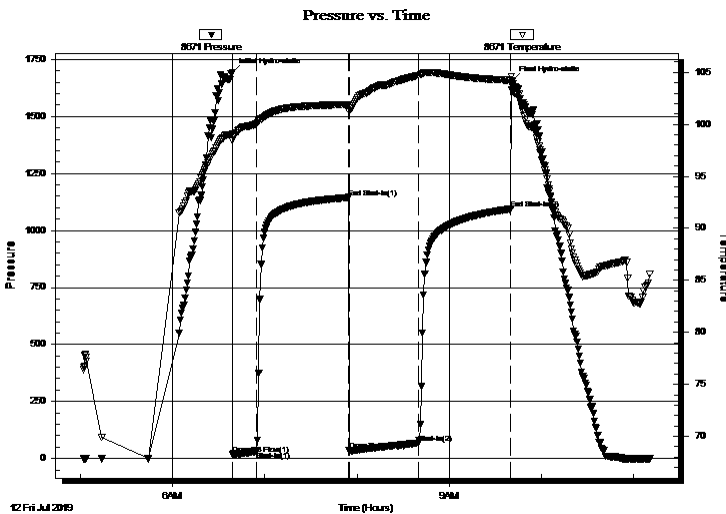
2019.07.12 @ 06:38:45

Time Off Btm:

2019.07.12 @ 09:41:00

**TEST COMMENT:** 15 - IFP - Surface blow gradually built to 4 1/4"  
60 - ISI - No Return  
45 - FFP - Surface blow steadily built to 6 3/4"  
60 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.06	99.08	Initial Hydro-static
1	17.99	98.42	Open To Flow (1)
16	33.00	100.09	Shut-In(1)
76	1144.49	101.89	End Shut-In(1)
76	35.29	101.19	Open To Flow (2)
122	67.64	104.70	Shut-In(2)
182	1094.49	104.23	End Shut-In(2)
183	1655.09	103.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	OSMW - Oil Spots - 35%w - 65%w	1.26

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65945

**DST#: 3**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 05:02:00

## Tool Information

Drill Pipe:	Length: 3331.94 ft	Diameter: 3.25 inches	Volume: 34.19 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 34.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.94 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3337.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3322.00	
Hydraulic tool	5.00			3327.00	
Packer	5.00			3332.00	20.00 Bottom Of Top Packer
Packer	5.00			3337.00	
Stubb	1.00			3338.00	
Recorder	0.00	8360	Inside	3338.00	
Recorder	0.00	8671	Outside	3338.00	
perforations	27.00			3365.00	
Change Over Sub	1.00			3366.00	
Drill Pipe	31.00			3397.00	
Change Over Sub	1.00			3398.00	
Bullnose	3.00			3401.00	64.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65945

**DST#: 3**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 05:02:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	OSMW - Oil Spots - 35%m - 65%w	1.262

Total Length: 123.00 ft      Total Volume: 1.262 bbl

Num Fluid Samples: 0

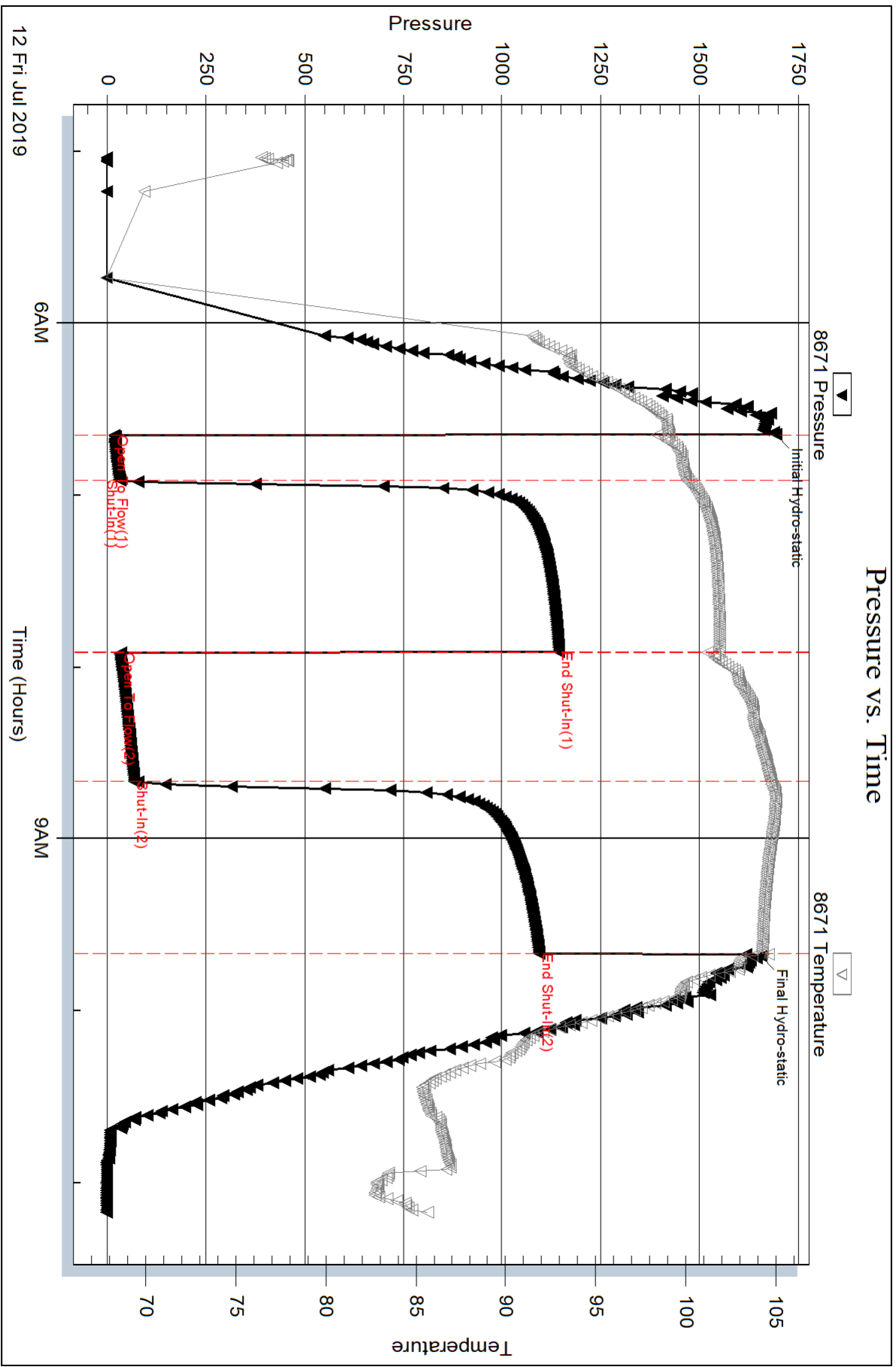
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .336@93deg.



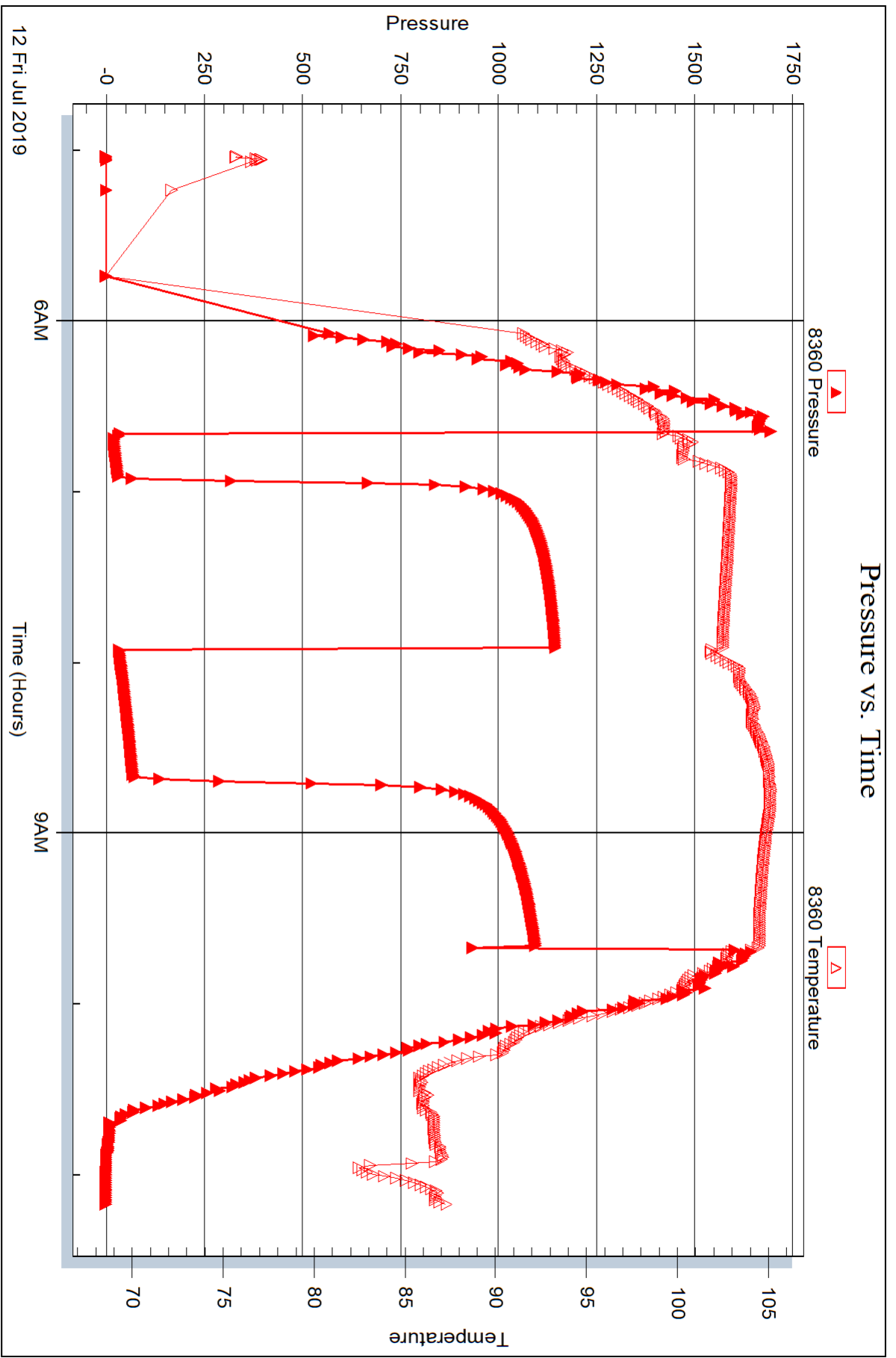
Serial #: 8360

Inside

Anchor Bay Petroleum LLC.

Slimmer #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 65945

Printed: 2019.07.16 @ 16:31:21



## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC.**

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassman

### **Slimmer #1**

### **2-11S-17W Ellis,KS**

Start Date: 2019.07.12 @ 19:04:00

End Date: 2019.07.12 @ 23:43:00

Job Ticket #: 65946                      DST #: 4

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

Printed: 2019.07.16 @ 16:27:12



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65946

**DST#: 4**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 19:04:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:45

Time Test Ended: 23:43:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

**Interval: 3469.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3495.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: 706.15 psig @ 3470.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.12 End Date: 2019.07.12

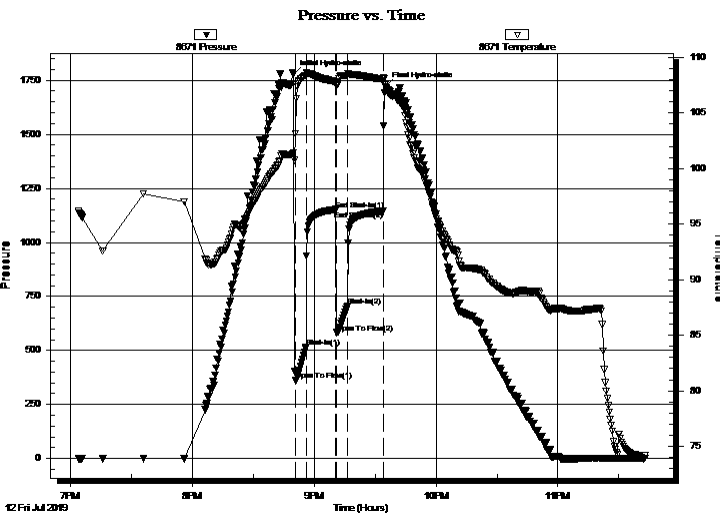
Last Calib.: 2019.07.12

Start Time: 19:04:05 End Time: 23:42:59

Time On Btm: 2019.07.12 @ 20:50:00

Time Off Btm: 2019.07.12 @ 21:35:15

**TEST COMMENT:** 5 - IFP - Surface blow built to BOB in 1 min.  
15 - ISI - No Return  
5 - FFP - Surface blow built to BOB in 1 min.  
15 - FSI - No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.73	101.41	Initial Hydro-static
1	360.49	103.11	Open To Flow (1)
6	515.94	108.35	Shut-In(1)
21	1152.50	107.77	End Shut-In(1)
22	582.97	107.50	Open To Flow (2)
27	706.15	108.34	Shut-In(2)
44	1145.65	108.04	End Shut-In(2)
46	1720.40	107.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
141.00	OSWM - Oil Spots - 15%w - 85%m	1.45
189.00	OSMW - Oil Spots - 45%m - 55%w	1.94
1008.00	OSMW - Oil Spots - 5%m - 95%w	10.34

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65946

**DST#: 4**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 19:04:00

## Tool Information

Drill Pipe:	Length: 3458.79 ft	Diameter: 3.25 inches	Volume: 35.49 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 35.49 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.79 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3469.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3454.00	
Hydraulic tool	5.00			3459.00	
Packer	5.00			3464.00	20.00 Bottom Of Top Packer
Packer	5.00			3469.00	
Stubb	1.00			3470.00	
Recorder	0.00	8360	Inside	3470.00	
Recorder	0.00	8671	Outside	3470.00	
perforations	22.00			3492.00	
Bullnose	3.00			3495.00	26.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>46.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65946

**DST#: 4**

ATTN: Ed Glassman

Test Start: 2019.07.12 @ 19:04:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

13000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
141.00	OSWM - Oil Spots - 15%w - 85%m	1.447
189.00	OSMW - Oil Spots - 45%m - 55%w	1.939
1008.00	OSMW - Oil Spots - 5%m - 95%w	10.343

Total Length: 1338.00 ft      Total Volume: 13.729 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

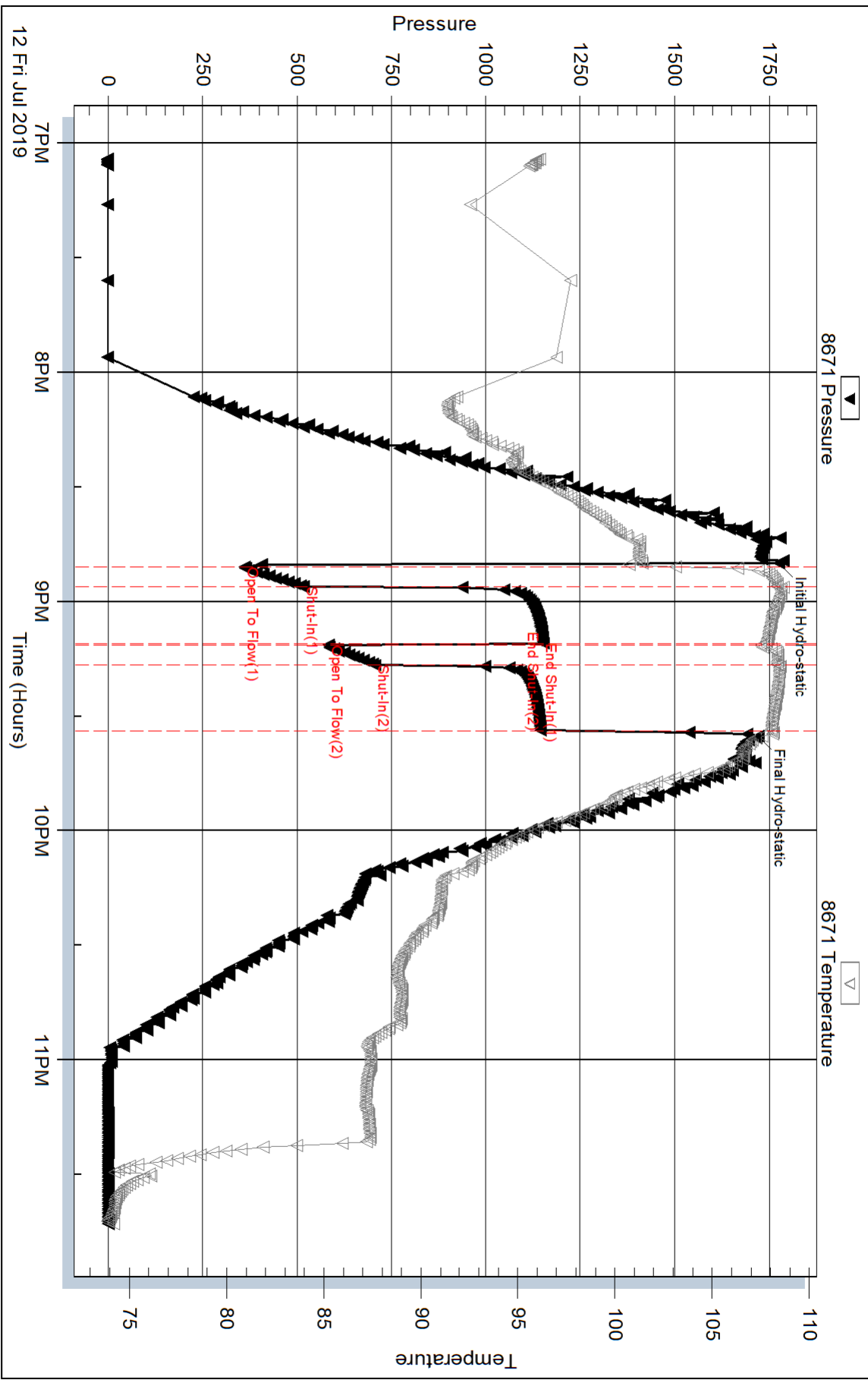
Laboratory Name:

Laboratory Location:

Recovery Comments: .493 @ 77deg.



### Pressure vs. Time



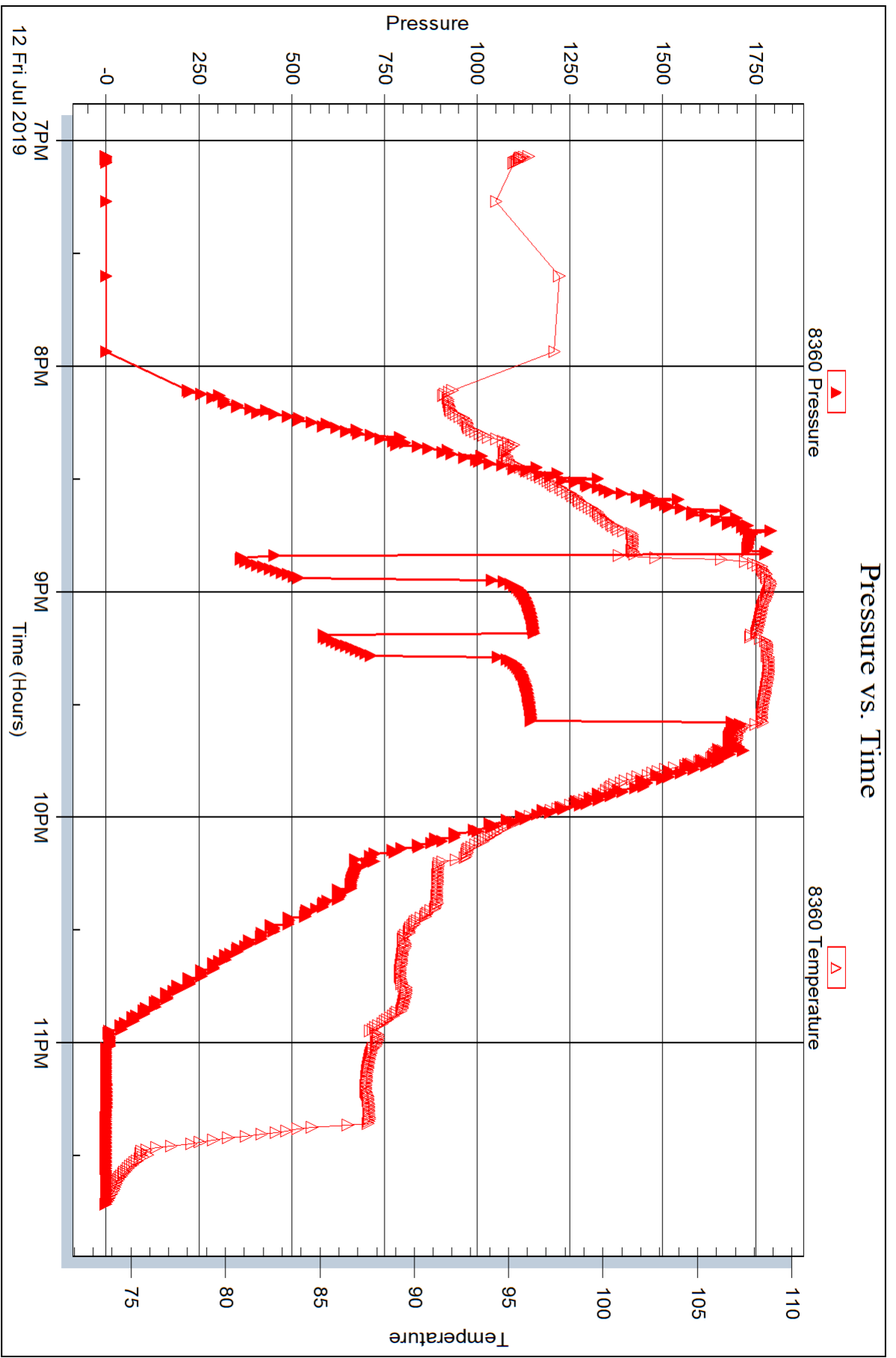
Serial #: 8360

Inside

Anchor Bay Petroleum LLC.

Slimmer #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 65946

Printed: 2019.07.16 @ 16:27:13



## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC.**

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassman

### **Slimmer #1**

### **2-11S-17W Ellis,KS**

Start Date: 2019.07.13 @ 10:39:00

End Date: 2019.07.13 @ 19:29:00

Job Ticket #: 65947                      DST #: 5

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

Printed: 2019.07.16 @ 16:24:14



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65947

**DST#: 5**

ATTN: Ed Glassman

Test Start: 2019.07.13 @ 10:39:00

## GENERAL INFORMATION:

Formation: **Upper Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:24:30

Time Test Ended: 19:29:00

Test Type: Conventional Straddle (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **3072.00 ft (KB) To 3220.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3536.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8671 Outside**

Press@RunDepth: 188.39 psig @ 3073.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.13

End Date: 2019.07.13

Last Calib.: 2019.07.13

Start Time: 10:39:05

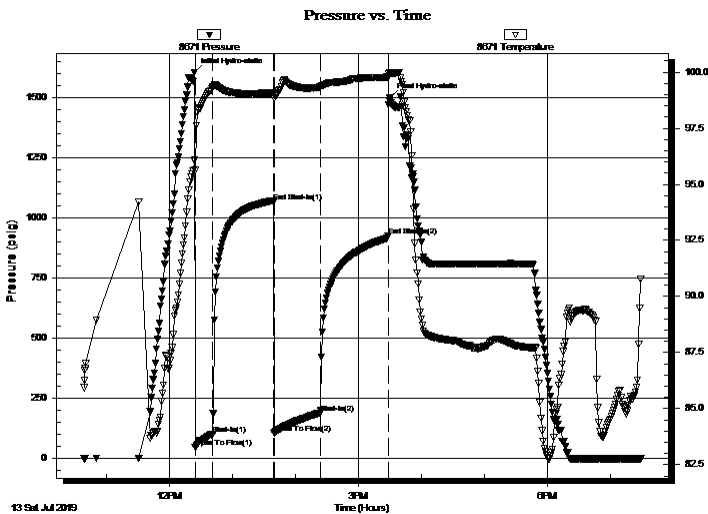
End Time: 19:29:00

Time On Btm: 2019.07.13 @ 12:24:00

Time Off Btm: 2019.07.13 @ 15:30:00

TEST COMMENT: 15 - IFP - Surface blow built to BOB in 8 mins.  
60 - ISI - No Return  
45 - FFP - Surface blow built to BOB in 18 mins.  
60 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.92	96.09	Initial Hydro-static
1	45.57	95.63	Open To Flow (1)
18	101.66	99.30	Shut-In(1)
76	1064.19	99.08	End Shut-In(1)
76	105.13	98.82	Open To Flow (2)
120	188.39	99.33	Shut-In(2)
185	922.99	99.77	End Shut-In(2)
186	1496.87	99.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
123.00	OCWM - 10%o - 40%w - 50%m	1.26
126.00	OCWM - 5%o - 40%w - 55%m	1.29
126.00	GOCWM - 15%g - 5%o - 40%w - 40%m	1.29

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65947

**DST#: 5**

ATTN: Ed Glassman

Test Start: 2019.07.13 @ 10:39:00

## Tool Information

Drill Pipe:	Length: 3078.00 ft	Diameter: 3.25 inches	Volume: 31.58 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 31.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3072.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3541.00 ft			
Interval between Packers:	469.00 ft			
Tool Length:	489.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3057.00	
Hydraulic tool	5.00			3062.00	
Packer	5.00		Inside	3067.00	20.00 Bottom Of Top Packer
Packer	5.00			3072.00	
Stubb	1.00			3073.00	
Recorder	0.00	8671	Outside	3073.00	
Recorder	0.00	8360	Inside	3073.00	
Perforations	14.00			3087.00	
Change Over Sub	1.00			3088.00	
Drill Pipe	127.00			3215.00	
Change Over Sub	1.00			3216.00	
Blank Off Sub	1.00			3217.00	
Stubb	3.00		Outside	3220.00	
Packer - Shale	5.00		Outside	3225.00	
Stubb	1.00			3226.00	
Perforations	25.00			3251.00	
Change Over Sub	1.00			3252.00	
Recorder	0.00	8678	Below	3252.00	
Drill Pipe	285.00		Below	3537.00	
Change Over Sub	1.00			3538.00	
Bullnose	3.00			3541.00	469.00 Bottom Packers & Anchor

**Total Tool Length: 489.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Anchor Bay Petroleum LLC.

**2-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Slimmer #1**

Job Ticket: 65947

**DST#: 5**

ATTN: Ed Glassman

Test Start: 2019.07.13 @ 10:39:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	OCWM - 10%o - 40%w - 50%m	1.262
126.00	OCWM - 5%o - 40%w - 55%m	1.293
126.00	GOCWM - 15%g - 5%o - 40%w - 40%m	1.293

Total Length: 375.00 ft      Total Volume: 3.848 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

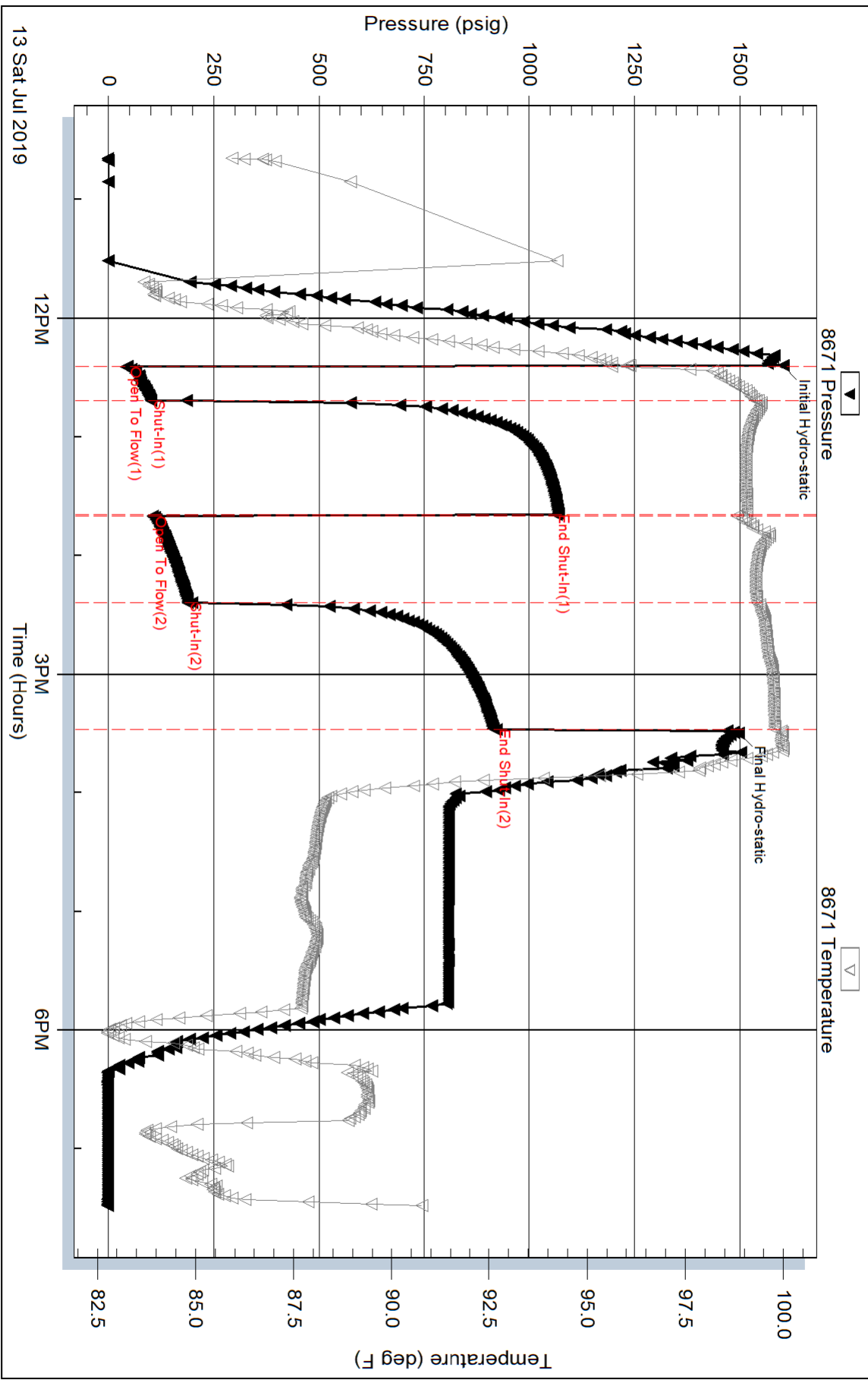
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time



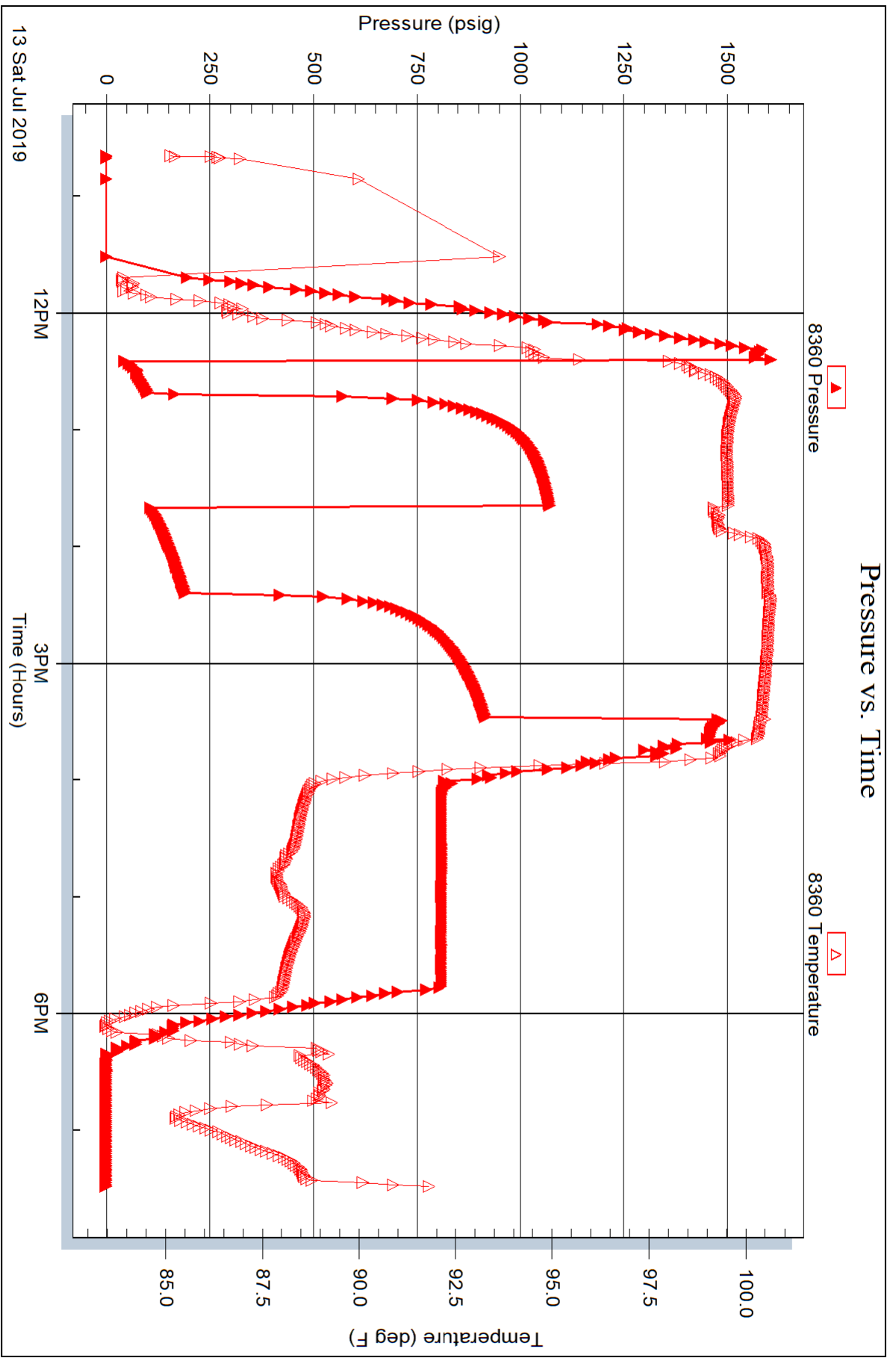
Serial #: 8360

Inside

Anchor Bay Petroleum LLC.

Slimmer #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 65947

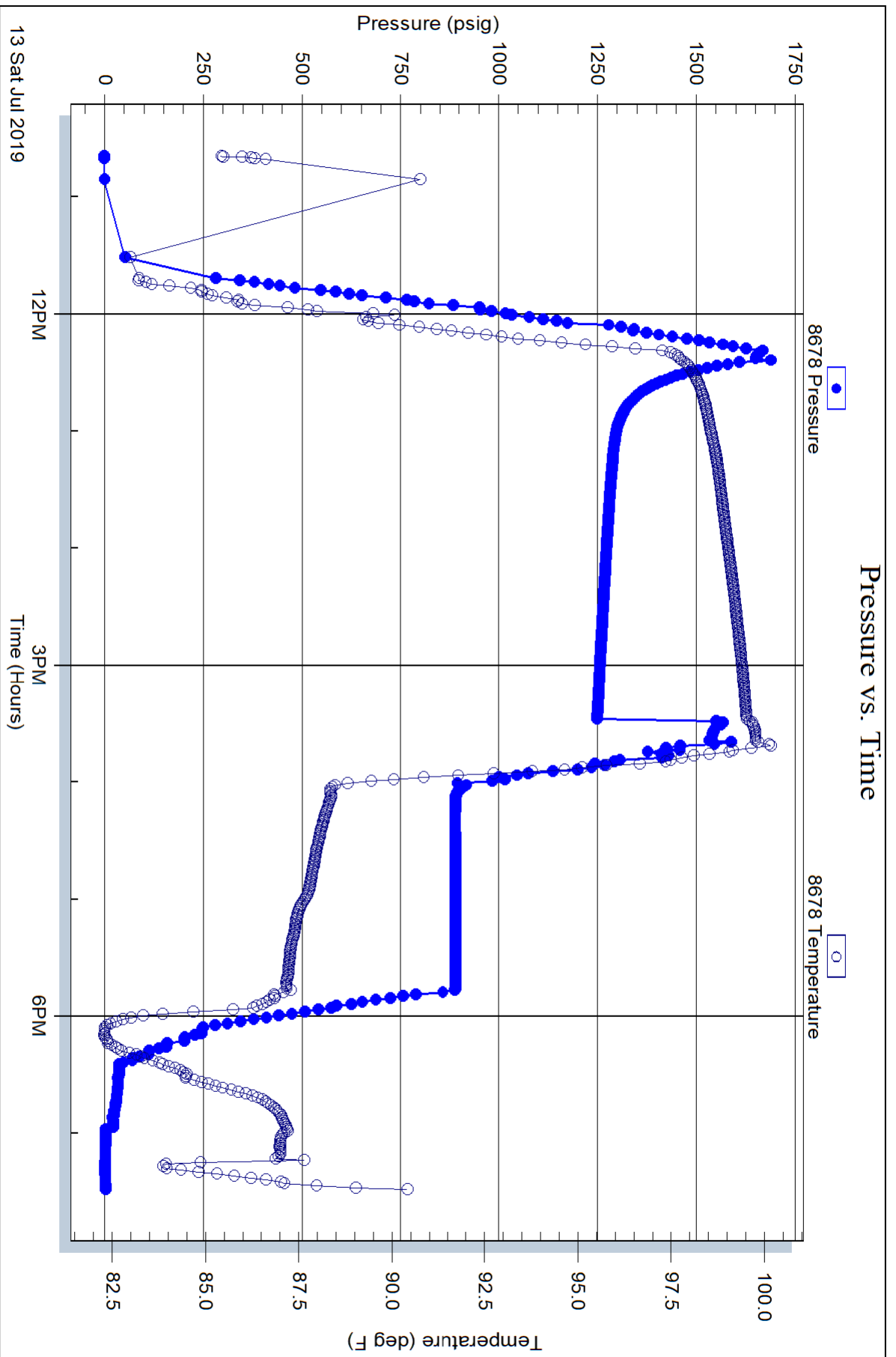
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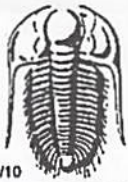
Serial #: 8678

Below (Stratfield) Bay Petroleum LLC

Slimmer #1

DST Test Number: 5





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 65943

NO.

Well Name & No. Slimmer #1 Test No. 1 Date 7-10-19  
 Company Anchor Bay Petroleum Elevation 1908 KB 1903 GL  
 Address 1952 Victoria Rd Hays Ks 67601  
 Co. Rep / Geo. Ed Glassman Rig White Knight  
 Location: Sec. 2 Twp 11S Rge. 17W Co. Ellis State Ks

Interval Tested 3034'-3051' Zone Tested Lower Tapeka  
 Anchor Length 17 Drill Pipe Run 3046, 36 Mud Wt. 8.8  
 Top Packer Depth 3029' Drill Collars Run 0 Vis 43  
 Bottom Packer Depth 3034' Wt. Pipe Run 0 WL 6.0  
 Total Depth 3051' Chlorides 3300 ppm System LCM 2#

Blow Description IFP - Surface blow slowly built up to 3/4"

IST - No Return  
FFP - Opened Tool Slushed surface blow built up slowly to 3/4"  
EST - No Return

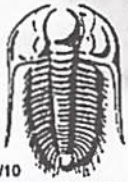
Rec	Feet of	%gas	spots	%oil	%water	%mud
<u>20'</u>	<u>OSWM</u>			<u>45</u>	<u>55</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 20' BHT 99°F Gravity \_\_\_\_\_ API RW 1646 @ 91 °F Chlorides 7,000 ppm  
 (A) Initial Hydrostatic 1454  Test 1200 T-On Location 2:30pm  
 (B) First Initial Flow 9  Jars \_\_\_\_\_ T-Started 2:51pm  
 (C) First Final Flow 15  Safety Joint \_\_\_\_\_ T-Open 4:14pm  
 (D) Initial Shut-In 1063  Circ Sub \_\_\_\_\_ T-Pulled 5:49pm  
 (E) Second Initial Flow 16  Hourly Standby \_\_\_\_\_ T-Out 7:16pm  
 (F) Second Final Flow 24  Mileage 48 B/T 48 Comments \_\_\_\_\_  
 (G) Final Shut-In 1050  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1424  Straddle \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 15  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Sub Total 1248  Accessibility \_\_\_\_\_  
 Sub Total \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1248  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Neal Yoshore

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 65944

NO.

Well Name & No. Slimmer #1 Test No. 2 Date 7-11-19  
 Company Anchor Bay Petroleum Elevation 1908 KB 1903 GL  
 Address 1952 Victoria Rd Hays Ks 67601  
 Co. Rep / Geo. Ed Glessman Rig White Knight  
 Location: Sec. 2 Twp 11S Rge. 17 W Co. Ellis State Ks

Interval Tested 3238' - 3340' Zone Tested Lansing H-K  
 Anchor Length 102' Drill Pipe Run 3236.80' Mud Wt. 9.0  
 Top Packer Depth 3233' Drill Collars Run 0 Vis 47  
 Bottom Packer Depth 3238' Wt. Pipe Run 0 WL 6.0  
 Total Depth 3340' Chlorides 3500 ppm System LCM 4#

Blow Description TFP - surface blow gradually built up to 4"  
TSI - No Return

TFP - surface blow slowly built to 1", flushed tool, blow built to 1 3/4" then died  
FSI - No Return 1 to 1"

Rec	Feet of	%gas	%oil	%water	%mud
<u>58'</u>	<u>OCM</u>	<u>15</u>		<u>85</u>	
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

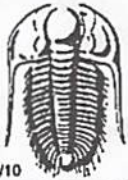
Rec Total 58' BHT 103°F Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 11641  Test 1200 T-On Location 2:30pm  
 (B) First Initial Flow 27  Jars \_\_\_\_\_ T-Started 3:00pm  
 (C) First Final Flow 32  Safety Joint \_\_\_\_\_ T-Open 4:52pm  
 (D) Initial Shut-In 71  Circ Sub \_\_\_\_\_ T-Pulled 7:41pm  
 (E) Second Initial Flow 30  Hourly Standby \_\_\_\_\_ T-Out 9:07pm  
 (F) Second Final Flow 40  Mileage 48 BIT 48 Comments \_\_\_\_\_  
 (G) Final Shut-In 62  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1564  Straddle \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Final Flow 35  Extra Recorder \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Sub Total 1248  Accessibility \_\_\_\_\_ Sub Total 1248 Total 1248  
 Sub Total \_\_\_\_\_ MP/DST Disc'l \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Royal Swain

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 65945

NO.

Well Name & No. Slimaner #1 Test No. 3 Date 7-12-19  
 Company Anchor Bay Petroleum Elevation 1908 KB 1903 GL  
 Address 1952 Victoria Rd Hays ks 67601  
 Co. Rep / Geo. Ed Glassman Rig White Knight  
 Location: Sec. 2 Twp 11S Rge. 17W Co. Ellis State ks

Interval Tested 3337'-3401' Zone Tested Comm.  
 Anchor Length 64' Drill Pipe Run 3331.94' Mud Wt. 9.0  
 Top Packer Depth 3332' Drill Collars Run 0 Vis 47  
 Bottom Packer Depth 3337' Wt. Pipe Run 0 WL 10.0  
 Total Depth 3401 Chlorides 3500 ppm System LCM 4#

Blow Description IFP - Surface blow gradually built up to 4 1/4"  
ISE - No Return  
FFP - Surface blow steadily built up to 6 3/4"  
FSI - No Return

Rec	Feet of	%gas	Spots	%oil	%water	%mud
<u>123</u>	<u>QSMW</u>			<u>65</u>	<u>35</u>	
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 123' BHT 104°F Gravity \_\_\_\_\_ API RW 336 @ 93 °F Chlorides 15,000 ppm  
 (A) Initial Hydrostatic 11093  Test 1200 T-On Location 4:45am  
 (B) First Initial Flow 18  Jars \_\_\_\_\_ T-Started 5:02am  
 (C) First Final Flow 33  Safety Joint \_\_\_\_\_ T-Open 6:39am  
 (D) Initial Shut-In 1144  Circ Sub \_\_\_\_\_ T-Pulled 9:39am  
 (E) Second Initial Flow 35  Hourly Standby \_\_\_\_\_ T-Out 11:10am  
 (F) Second Final Flow 108  Mileage 48 R/T 48 Comments \_\_\_\_\_  
 (G) Final Shut-In 1094  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 11055  Straddle \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  EM Tool \_\_\_\_\_  
 Initial Shut-In 10  Extra Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Shut-In 10  Day Standby \_\_\_\_\_ Sub Total 0  
 Sub Total 1248  Accessibility \_\_\_\_\_ Total 1248  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 65946

NO.

Well Name & No. Slimmer #1 Test No. 4 Date 7-12-19  
 Company Anchor Bay Petroleum Elevation 1908 KB 1903 GL  
 Address 1952 Victoria Rd Hays Ks 67601  
 Co. Rep / Geo. Ed Glassman Rig White Knight  
 Location: Sec. 2 Twp 11S Rge. 17W Co. Ellis State Ks

Interval Tested 3469' - 3495' Zone Tested Arbuckle  
 Anchor Length 26' Drill Pipe Run 3458.79 Mud Wt. 9.1  
 Top Packer Depth 3464' Drill Collars Run 0 Vis 49  
 Bottom Packer Depth 3469' Wt. Pipe Run 0 WL 6.8  
 Total Depth 3495' Chlorides 3500 ppm System LCM 4#

Blow Description FFP - Surface blow built to bottom of bucket in 1min.  
IST - No Return  
FFP - Surface blow built to B.O.B in 1min.  
FSI - No Return

Rec	Feet of	%gas	spots	%oil	%water	%mud
<u>141'</u>	<u>OSWM</u>			<u>15</u>	<u>85</u>	
<u>189'</u>	<u>OSMW</u>			<u>55</u>	<u>45</u>	
<u>1008'</u>	<u>OSMW</u>			<u>95</u>	<u>5</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 1338 BHT 108°F Gravity \_\_\_\_\_ API RW 493@ 77 °F Chlorides 13,000 ppm  
 Test 1200  
 Jars \_\_\_\_\_  
 Safety Joint \_\_\_\_\_  
 Circ Sub \_\_\_\_\_  
 Hourly Standby \_\_\_\_\_  
 Mileage 48 RIT 48  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1248

(A) Initial Hydrostatic 1777  
 (B) First Initial Flow 360  
 (C) First Final Flow 516  
 (D) Initial Shut-In 1153  
 (E) Second Initial Flow 583  
 (F) Second Final Flow 706  
 (G) Final Shut-In 1146  
 (H) Final Hydrostatic 1720

Initial Open 5  
 Initial Shut-In 15  
 Final Flow 5  
 Final Shut-In 15

T-On Location 11:45 am  
 T-Started 7:04 pm  
 T-Open 8:50 pm  
 T-Pulled 9:30 pm  
 T-Out 11:43 pm

Comments \_\_\_\_\_  
 EM Tool \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1248  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket 65947

NO.

Well Name & No. Slimmer #1 Test No. 5 Date 7-13-19  
 Company Anchor Bay Petroleum Elevation 1908 KB 1903 GL  
 Address 1952 Victoria Rd Hays Ks 67601  
 Co. Rep / Geo. Ed Glassman Rig White Knight  
 Location: Sec. 2 Twp 11S Rge. 17W Co. Ellis State Ks

Interval Tested 3072' - 3220' Zone Tested Upper Kansas City  
 Anchor Length 148' Drill Pipe Run 3078 Mud Wt. 9.0  
 Top Packer Depth 3067' Drill Collars Run 0 Vis 49  
 Bottom Packer Depth 3072' Wt. Pipe Run 0 WL 6.8  
 Total Depth 3536' Chlorides 4200 ppm System LCM 3#

Blow Description FFP - Surface blow built to B.O.B. in 8mins  
~~IST - Surface built to B.O.B. in 18mins. No Return~~  
FFP - Surface blow built to B.O.B. in 18mins  
~~EST - No Return~~

Rec	Feet of	%gas	%oil	%water	%mud
<u>123'</u>	<u>OCWM</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>126'</u>	<u>OCWM</u>	<u>5</u>	<u>40</u>	<u>55</u>	
<u>126'</u>	<u>COCRM</u>	<u>15</u>	<u>5</u>	<u>40</u>	<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 375' BHT 100°F Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 11003  Test 1200 T-On Location 9:30am  
 (B) First Initial Flow 46  Jars \_\_\_\_\_ T-Started 10:39am  
 (C) First Final Flow 102  Safety Joint \_\_\_\_\_ T-Open 12:23pm  
 (D) Initial Shut-In 1064  Circ Sub \_\_\_\_\_ T-Pulled 3:23pm  
 (E) Second Initial Flow 105  Hourly Standby \_\_\_\_\_ T-Out 7:28pm  
 (F) Second Final Flow 188  Mileage 48 R/T 48 Comments \_\_\_\_\_  
 (G) Final Shut-In 923  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1497  Straddle 600  EM Tool \_\_\_\_\_

Initial Open 15  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder 200  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2048  
 Sub Total 2048 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Rayal J. [Signature]

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1539

Date	9-19-19	Sec.	2	Twp.	11	Range	17	County	Edwards	State	KS	On Location		Finish	6:30
								Location							
								Cedar River Road 10 1/2 E Pinto							

Lease	Slimmer	Well No.	1	Owner	
Contractor	Kelso	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	P.T.A	Charge To			
Hole Size	7 7/8	T.D.		Anchor Bay	
Csg.	5 1/2	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered 325 6940 4/10/12	
Meas Line		Displace		200# Halls	

**EQUIPMENT**

Pumptrk	5	No.	Cementer	rales	Common
			Helper		
Bulktrk		No.	Driver	Tim	Poz. Mix
			Driver		Gel.
Bulktrk	21	No.	Driver	Doug	Calcium
			Driver		

**JOB SERVICES & REMARKS**

Remarks:	KCC Pat Stuck	Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
1 <sup>st</sup>	1960 50SK 200# Halls	Sand
2 <sup>nd</sup>	1550 50SK 100# Halls	Handling
3 <sup>rd</sup>	1143 50SK 100# Halls	Mileage
4 <sup>th</sup>	1633 40 SK 100# Halls	

**FLOAT EQUIPMENT**

Cement	Inediated	Guide Shoe
		Centralizer
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down

		Pumptrk Charge
		Mileage
		Tax
		Discount
		Total Charge
X	Signature	