



## DRILL STEM TEST REPORT

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

1952 Victoria Rd  
Hays KS 67601

ATTN: Ed Glassmann

**Jane #2**

**S1-11S-17W Ellis,KS**

Start Date: 2017.06.28 @ 09:57:00

End Date: 2017.06.28 @ 15:18:00

Job Ticket #: 62981                      DST #: 2

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

Printed: 2017.06.30 @ 09:58:11



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum, LLC

**S1-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Jane #2**

Job Ticket: 62981

**DST#: 2**

ATTN: Ed Glassmann

Test Start: 2017.06.28 @ 09:57:00

## GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:30

Time Test Ended: 15:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

**Interval: 3228.00 ft (KB) To 3316.00 ft (KB) (TVD)**

Reference Elevations: 1902.00 ft (KB)

Total Depth: 3316.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8934**

**Inside**

Press@RunDepth: 26.91 psig @ 3229.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.28

End Date:

2017.06.28

Last Calib.:

2017.06.28

Start Time: 09:57:15

End Time:

15:18:00

Time On Btm:

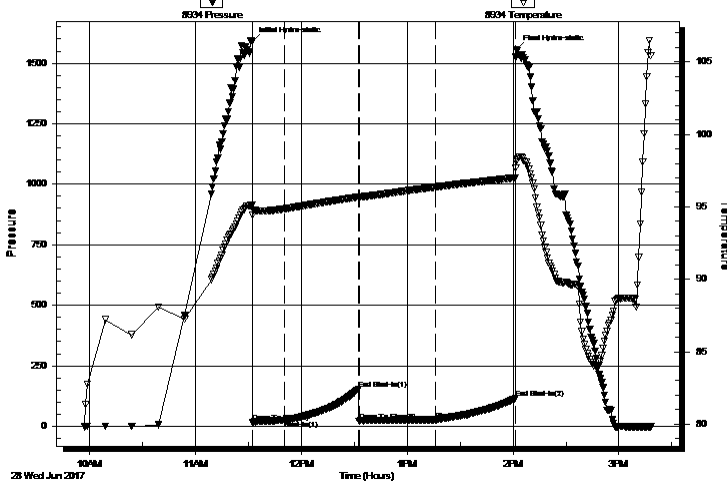
2017.06.28 @ 11:32:15

Time Off Btm:

2017.06.28 @ 14:02:00

**TEST COMMENT:** 15-IF-Weak Blow ; Built from surface to 1"  
45-ISI-No Return  
45-FF-Weak Blow ; Built from surface to 1 1/2"  
45-FSI-No Return

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.64	95.14	Initial Hydro-static
1	15.63	94.42	Open To Flow (1)
18	24.07	94.86	Shut-In(1)
60	153.22	95.69	End Shut-In(1)
61	19.79	95.64	Open To Flow (2)
104	26.91	96.37	Shut-In(2)
149	114.36	97.01	End Shut-In(2)
150	1556.96	98.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCM 20%O 80%M	0.27

\* Recovery from multiple tests

## Gas Rates

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



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**Jane #2**

Job Ticket: 62981

**DST#: 2**

ATTN: Ed Glassmann

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### GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:30

Time Test Ended: 15:18:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: **3228.00 ft (KB) To 3316.00 ft (KB) (TVD)**

Reference Elevations: 1902.00 ft (KB)

Total Depth: 3316.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 9120** Inside

Press@RunDepth: psig @ 3229.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.28

End Date:

2017.06.28

Last Calib.:

2017.06.28

Start Time: 09:57:15

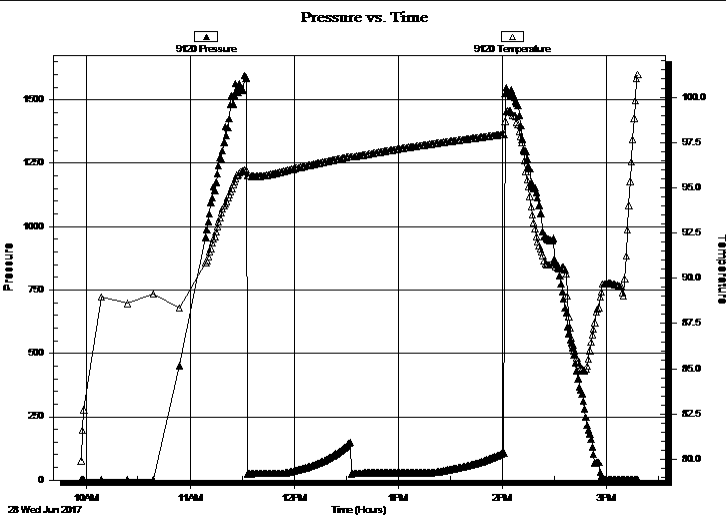
End Time:

15:18:00

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15-IF-Weak Blow ; Built from surface to 1"  
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### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCM 20%O 80%M	0.27

### Gas Rates

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Anchor Bay Petroleum, LLC

**S1-11S-17W Ellis,KS**

1952 Victoria Rd  
Hays KS 67601

**Jane #2**

Job Ticket: 62981

**DST#: 2**

ATTN: Ed Glassmann

Test Start: 2017.06.28 @ 09:57:00

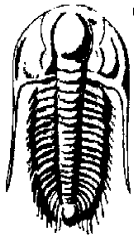
## Tool Information

Drill Pipe:	Length: 3195.00 ft	Diameter: 3.80 inches	Volume: 44.82 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3228.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	88.00 ft				
Tool Length:	108.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3209.00	
Shut In Tool	5.00			3214.00	
Hydraulic tool	5.00			3219.00	
Packer	5.00			3224.00	20.00 Bottom Of Top Packer
Packer	4.00			3228.00	
Stubb	1.00			3229.00	
Recorder	0.00	9120	Inside	3229.00	
Recorder	0.00	8934	Inside	3229.00	
Perforations	1.00			3230.00	
Change Over Sub	1.00			3231.00	
Drill Pipe	63.00			3294.00	
Change Over Sub	1.00			3295.00	
Perforations	17.00			3312.00	
Bullnose	4.00			3316.00	88.00 Bottom Packers & Anchor

**Total Tool Length: 108.00**



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**FLUID SUMMARY**

Anchor Bay Petroleum, LLC

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**Jane #2**

Job Ticket: 62981

**DST#: 2**

ATTN: Ed Glassmann

Test Start: 2017.06.28 @ 09:57:00

## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OCM 20%O 80%M	0.270

Total Length: 40.00 ft      Total Volume: 0.270 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

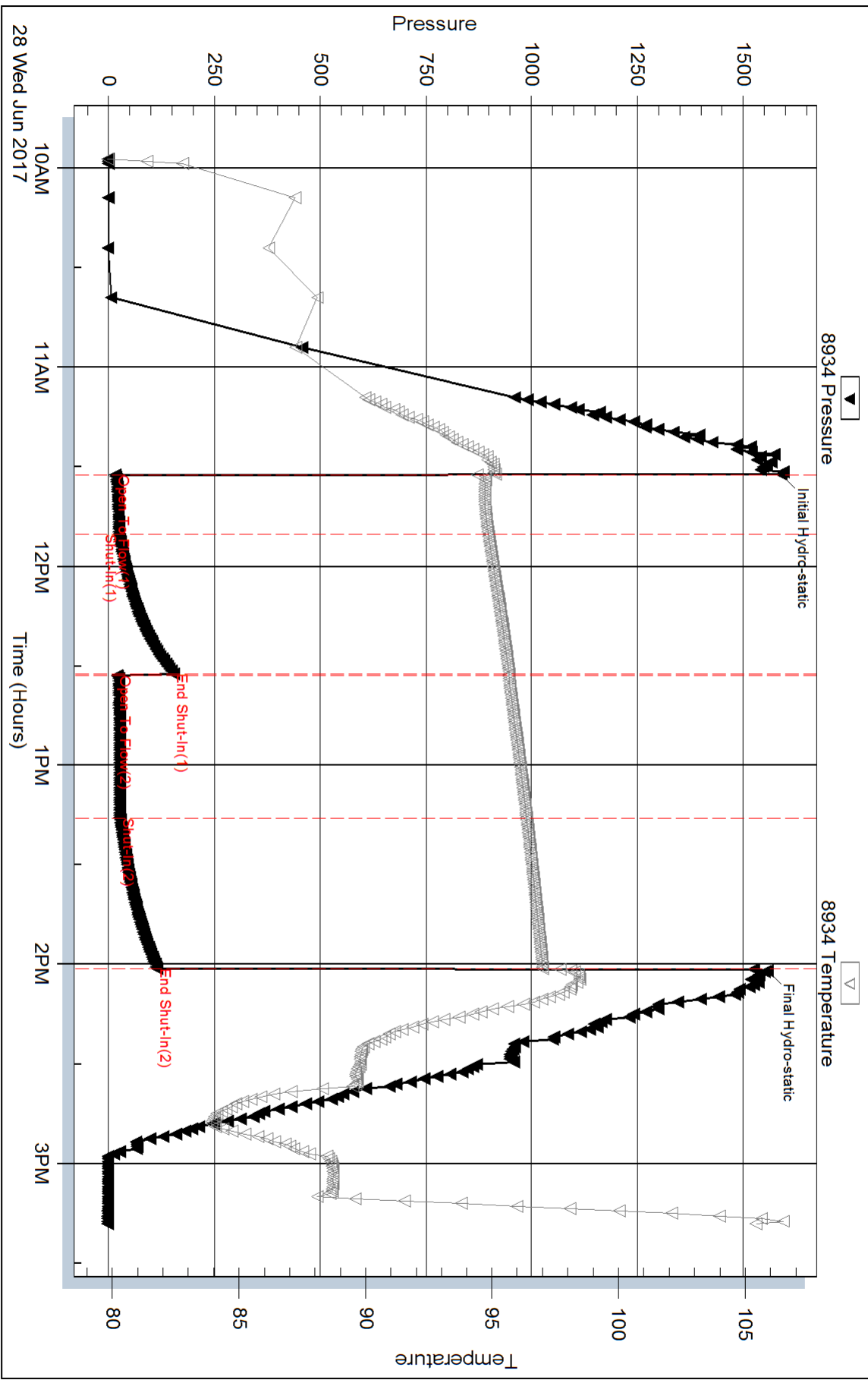
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1/2#LCM

### Pressure vs. Time



Serial #: 9120

Inside

Anchor Bay Petroleum, LLC

Jane #2

DST Test Number: 2

### Pressure vs. Time

