

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. 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. 2108

Date	9-30-20	Sec.	11	Twp.	13	Range	18	County	Ellis	State	KS	On Location		Finish	8.00
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	------

Location *Toulon & Catherine Rd 3W Nintz*

Lease	<i>Hall</i>	Well No.	<i>1</i>	Owner	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.
Contractor	<i>Southwind</i>			Charge To	<i>Anchor Bay</i>
Type Job	<i>Surface</i>	T.D.	<i>214</i>	Street	
Hole Size	<i>12 1/4</i>	Depth	<i>213</i>	City	State
Csg.	<i>8 5/8</i>	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered <i>150 8 5/8 3 1/2 2 1/2 GEL</i>	
Tool		Depth		Cement Left in Csg. <i>10'</i> Shoe Joint	
Meas Line		Displace	<i>138L</i>		

EQUIPMENT

Pumptrk	<i>17</i>	No.		Cementer	<i>Chris</i>	Common	<i>120</i>
				Helper		Poz. Mix	<i>30</i>
Bulktrk		No.		Driver	<i>T.M.</i>	Gel.	<i>3</i>
Bulktrk	<i>15</i>	No.		Driver	<i>Tom</i>	Calcium	<i>6</i>

JOB SERVICES & REMARKS

Remarks:		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	
	<i>8 5/8 on bottom. Est Circulation</i>	Sand	
	<i>Mix 150SK & Displace</i>	Handling	<i>159</i>
	<i>Cement Circulation</i>	Mileage	
		FLOAT EQUIPMENT	<i>8 5/8 surge</i>
		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge *Surface*
Mileage *13 (min)*

X Signature *Frank J. Rowe*

Thanks

Tax
Discount
Total Charge

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. 2060

Date	10/5/2020	Sec.	11	Twp.	13	Range	18	County	Ellis	State	Kansas	On Location		Finish	4 PM
								Location							
								Commerce + E-70 4 1/2 N 1/2 W N140							

Lease	Hall	Well No.	1	Owner	To Quality Oilwell Cementing, Inc.
Contractor	Southwind Drilling Rig #8	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	Production String	Charge To	Anchor Bay		
Hole Size	7 7/8	T.D.	3790	Street	
Csg.	5 1/2	Depth	3783	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	200 com 10% salt 5% g. kerosene
Cement Left in Csg.	43'	Shoe Joint	43'	500gal mud clear	
Meas Line		Displace	89 BL H20	Common 200 @ poc	

EQUIPMENT				
Pumptrk	17	No.	Cementer	
			Helper	Tim
Bulktrk	9	No.	Driver	Doug
Bulktrk	pu	No.	Driver	David
			Driver	

JOB SERVICES & REMARKS		
Remarks:		Salt 16
Rat Hole	30 sks	Flowseal
Mouse Hole	30 sks N/A	Kol-Seal 850 850
Centralizers	1-4-8-14-56	Mud CLR 48 500 gal
Baskets	1-56	CFL-117 or CD110 CAF 38
D/V or Port Collar	set at 1458 Joint # 57	Sand
		Handling 214
		Mileage

		FLOAT EQUIPMENT
Ran 5 1/2 casing and set 3783 established circulation		Guide Shoe
Pumped 500gal mud clear		Centralizer 5
Cemented Rat and AA with 30 sks		Baskets 2
Cemented 5 1/2 with 170 sks		AFU Inserts
L. Ex pressure @ 700 #		Float Shoe 1
Carded plug @ 1500 #		Latch Down 1
		Baffle - 1
		Port collar - 1
		Pumptrk Charge
		Mileage 15

X Signature *Frank J. Rowe*

Thanks

Tax	
Discount	
Total Charge	

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. 2064

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10/19/2020	11	13	18	Ellis	Kansas		4:00pm
				Location Commerce & I 70 4 1/2 N 1/2 W N1/4			
Lease Hall		Well No. 1		Owner			
Contractor Super Well Service		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 Port Collar		Charge To Anchor Bay					
Hole Size		T.D.		Street			
Csg. 5 1/2		Depth		City State			
Tbg. Size 2 7/8		Depth		City State			
Tool Dens packer serv.		Depth 14 70		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint		Cement Amount Ordered 200 QMDC 1/4 # Fow			
Meas Line		Displace 8 bbl		6 Gel on the side			
EQUIPMENT				Common 140 5/20 QMDC			
Pumptrk 20 No.		Cementer Helper Tim		Poz. Mix			
Bulktrk 14 No.		Driver Tony		Gel. 6			
Bulktrk P.M. No.		Driver David		Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal 50 #			
Mouse Hole				Kol-Seal			
Centralizers used 140 sk 6 gel				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Rantubing tested tools to 700 # Mix 3 gel then opened tool mixed 3 gel Followed by 140 sks cement closed tool Ran 10 joints and washed Clean				Handling 200			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
Cement Did Circulate							
				Pumptrk Charge port collar Job			
				Mileage 15			
				Thanks			
Signature Edgar Stelmann				Tax			
				Discount			
				Total Charge			



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9317

ATTN: Ed Glassman

Hall #1

11-13s-18w Ellis,KS

Start Date: 2020.10.03 @ 20:38:00

End Date: 2020.10.04 @ 03:02:32

Job Ticket #: 67432 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.10.05 @ 11:42:24

Anchor Bay Petroleum LLC
11-13s-18w Ellis,KS
Hall #1
DST # 1
LKC C - G
2020.10.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67432

DST#: 1

ATTN: Ed Glassman

Test Start: 2020.10.03 @ 20:38:00

GENERAL INFORMATION:

Formation: **LKC C - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:50:27

Time Test Ended: 03:02:32

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3500.00 ft (KB) To 3580.00 ft (KB) (TVD)

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3580.00 ft (KB) (TVD)

2173.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Outside

Press@RunDepth: 52.10 psig @ 3568.00 ft (KB)

Capacity: psig

Start Date: 2020.10.03

End Date:

2020.10.04

Last Calib.: 2020.10.04

Start Time: 20:38:01

End Time:

03:02:32

Time On Btm: 2020.10.03 @ 23:50:22

Time Off Btm: 2020.10.04 @ 01:11:57

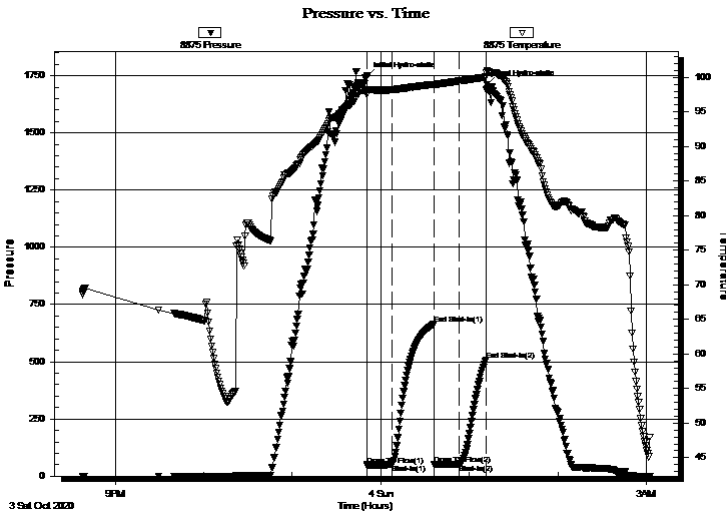
TEST COMMENT: 15-IF-Very Weak Surface; Died @ 2 mins

30-ISI-No Return

15-FF-Surge; Died

15-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.05	98.01	Initial Hydro-static
1	48.80	97.48	Open To Flow (1)
17	50.57	98.19	Shut-In(1)
46	664.37	98.98	End Shut-In(1)
46	51.24	98.84	Open To Flow (2)
63	52.10	99.45	Shut-In(2)
81	508.31	100.06	End Shut-In(2)
82	1711.67	100.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% M	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

11-13s-18w Ellis, KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

ATTN: Ed Glassman

Job Ticket: 67432

DST#: 1

Test Start: 2020.10.03 @ 20:38:00

GENERAL INFORMATION:

Formation: **LKC C - G**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 23:50:27 Tester: Spencer J Staab
Time Test Ended: 03:02:32 Unit No: 84

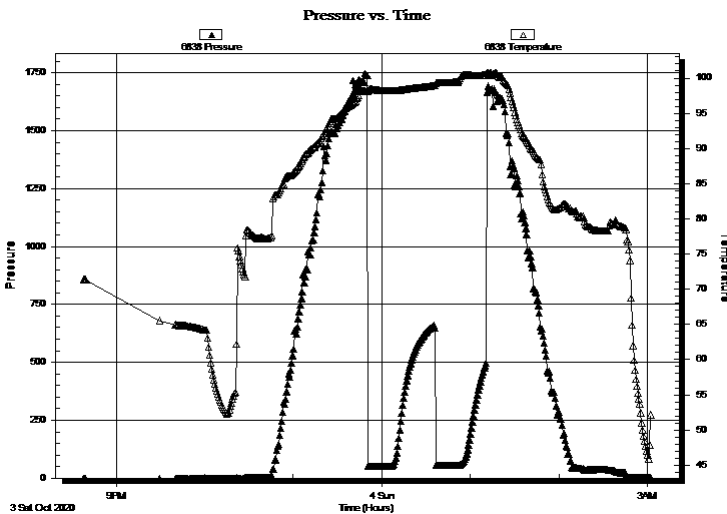
Interval: 3500.00 ft (KB) To 3580.00 ft (KB) (TVD) Reference Elevations: 2181.00 ft (KB)
Total Depth: 3580.00 ft (KB) (TVD) 2173.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press@RunDepth: psig @ 3568.00 ft (KB) Capacity: psig
Start Date: 2020.10.03 End Date: 2020.10.04 Last Calib.: 2020.10.04
Start Time: 20:38:01 End Time: 03:02:32 Time On Btm:
Time Off Btm:

TEST COMMENT: 15-IF-Very Weak Surface; Died @ 2 mins
30-ISI-No Return
15-FF-Surge; Died
15-FSI-No Return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% M	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

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67432

DST#: 1

ATTN: Ed Glassman

Test Start: 2020.10.03 @ 20:38:00

Tool Information

Drill Pipe:	Length: 3496.00 ft	Diameter: 3.82 inches	Volume: 49.56 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3500.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	106.00 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			3475.00	
Change Over Sub	1.00			3476.00	
Shut In Tool	5.00			3481.00	
Hydraulic tool	5.00		Fluid	3486.00	
Gap Sub	5.00			3491.00	
Packer	5.00			3496.00	26.00 Bottom Of Top Packer
Packer	4.00			3500.00	
Stubb	1.00			3501.00	
Perforations	1.00			3502.00	
Change Over Sub	1.00			3503.00	
Drill Pipe	64.00			3567.00	
Change Over Sub	1.00			3568.00	
Recorder	0.00	6838	Inside	3568.00	
Recorder	0.00	8875	Outside	3568.00	
Perforations	9.00			3577.00	
Bullnose	3.00			3580.00	80.00 Bottom Packers & Anchor
Total Tool Length:	106.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67432

DST#: 1

ATTN: Ed Glassman

Test Start: 2020.10.03 @ 20:38:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100% M	0.213

Total Length: 15.00 ft Total Volume: 0.213 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2&1/2# LCM

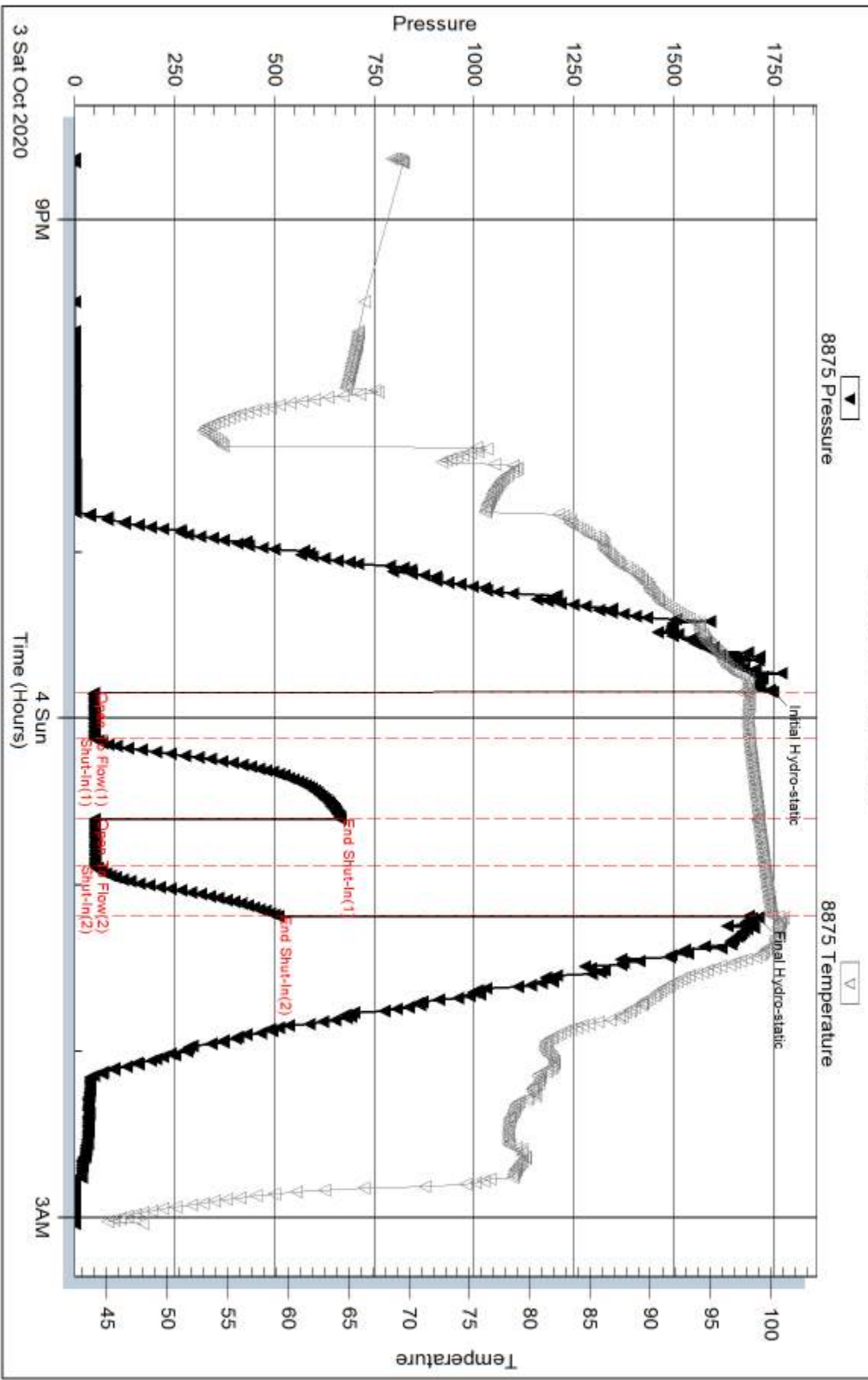
Serial #: 8875

Outside Anchor Bay Petroleum LLC

Hall #1

DST Test Number: 1

Pressure vs. Time



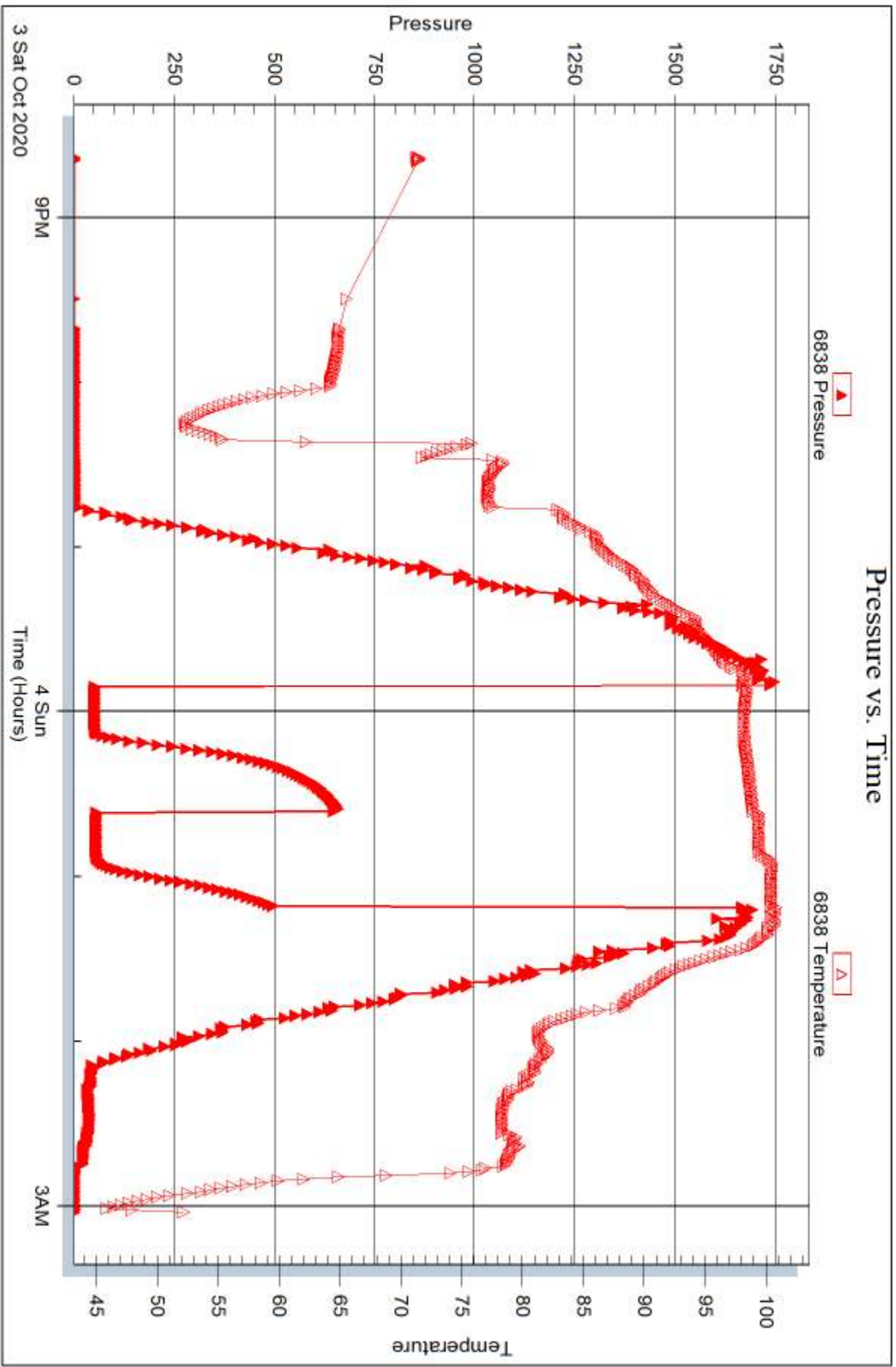
Serial #: 6838

Inside

Anchor Bay Petroleum LLC

Hall #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67432

Printed: 2020.10.05 @ 11:42:26



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

1952 Victoria Rd
Hays KS 67601+9317

ATTN: Ed Glassman

Hall #1

11-13s-18w Ellis,KS

Start Date: 2020.10.04 @ 21:45:00

End Date: 2020.10.05 @ 04:42:07

Job Ticket #: 67433 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2020.10.05 @ 11:39:42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67433

DST#: 2

ATTN: Ed Glassman

Test Start: 2020.10.04 @ 21:45:00

GENERAL INFORMATION:

Formation: **LKC C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:42

Time Test Ended: 04:42:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3456.00 ft (KB) To 3524.00 ft (KB) (TVD)

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3790.00 ft (KB) (TVD)

2173.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press@RunDepth: 73.28 psig @ 3492.00 ft (KB)

Capacity: psig

Start Date: 2020.10.04

End Date:

2020.10.05

Last Calib.:

2020.10.05

Start Time: 21:45:01

End Time:

04:42:07

Time On Btm:

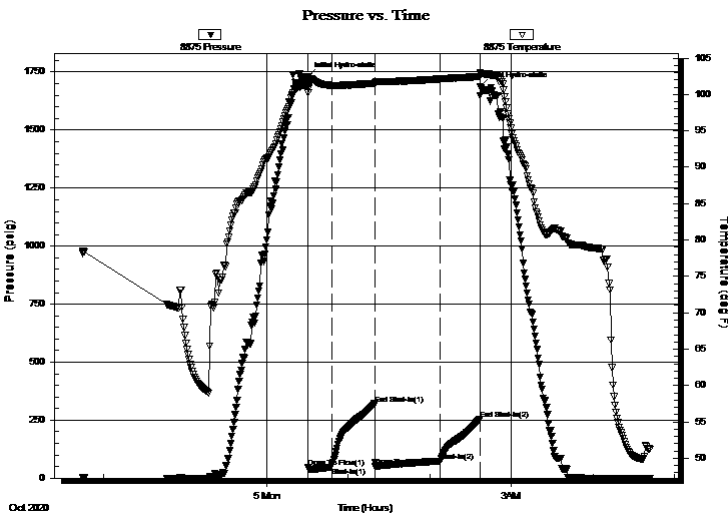
2020.10.05 @ 00:30:37

Time Off Btm:

2020.10.05 @ 02:37:02

TEST COMMENT: 15-IF-BOB 11 mins; Built to 14"
30-ISI-Surface; Died @ 5 min
45-FF-BOB 26 mins; Built to 16"
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.74	101.10	Initial Hydro-static
1	44.97	100.26	Open To Flow (1)
18	47.98	101.23	Shut-In(1)
49	320.58	101.53	End Shut-In(1)
50	52.31	101.61	Open To Flow (2)
97	73.28	102.14	Shut-In(2)
127	254.05	102.50	End Shut-In(2)
127	1687.27	102.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO 30%G 70%O	1.70
0.00	30' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

11-13s-18w Ellis, KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

ATTN: Ed Glassman

Job Ticket: 67433

DST#: 2

Test Start: 2020.10.04 @ 21:45:00

GENERAL INFORMATION:

Formation: **LKC C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:42

Time Test Ended: 04:42:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: **3456.00 ft (KB) To 3524.00 ft (KB) (TVD)**

Reference Elevations: 2181.00 ft (KB)

Total Depth: 3790.00 ft (KB) (TVD)

2173.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838 **Inside**

Press@RunDepth: psig @ 3492.00 ft (KB)

Capacity: psig

Start Date: 2020.10.04

End Date: 2020.10.05

Last Calib.: 2020.10.05

Start Time: 21:45:01

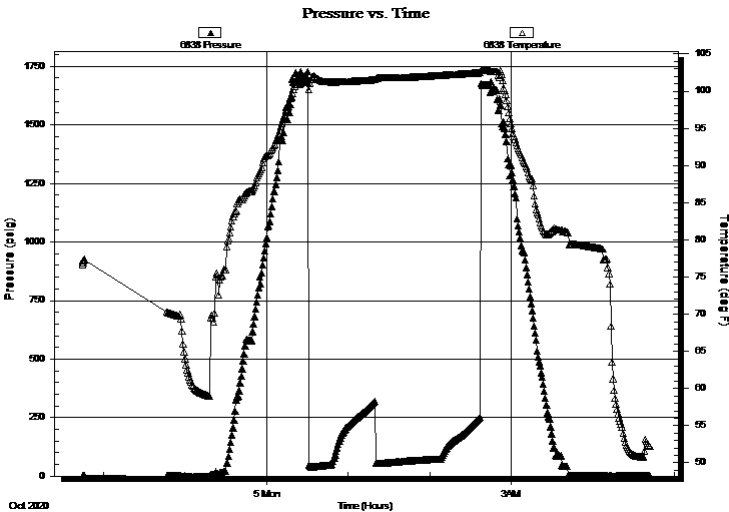
End Time: 04:42:07

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IF-BOB 11 mins; Built to 14"
30-ISI-Surface; Died @ 5 min
45-FF-BOB 26 mins; Built to 16"
30-FSI-No Return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO 30%G 70%O	1.70
0.00	30' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

11-13s-18w Ellis, KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

ATTN: Ed Glassman

Job Ticket: 67433

DST#: 2

Test Start: 2020.10.04 @ 21:45:00

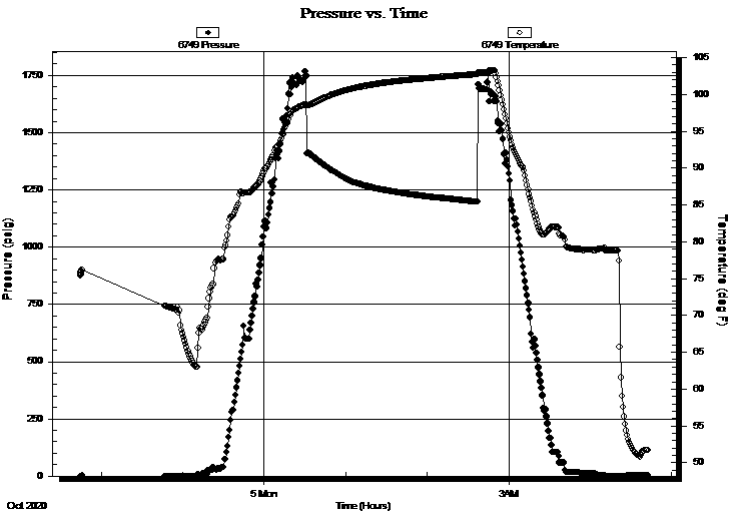
GENERAL INFORMATION:

Formation: LKC C					Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock:	ft (KB)				Tester: Spencer J Staab
Time Tool Opened: 00:30:42					Unit No: 84
Time Test Ended: 04:42:07					Reference Elevations: 2181.00 ft (KB)
Interval: 3456.00 ft (KB) To 3524.00 ft (KB) (TVD)					2173.00 ft (CF)
Total Depth: 3790.00 ft (KB) (TVD)					KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair				

Serial #: 6749 Below (Straddle)

Press@RunDepth: psig @ 3531.00 ft (KB)		Capacity: psig
Start Date: 2020.10.04	End Date: 2020.10.05	Last Calib.: 2020.10.05
Start Time: 21:45:01	End Time: 04:42:47	Time On Btm:
		Time Off Btm:

TEST COMMENT: 15-IF-BOB 11 mins; Built to 14"
30-ISI-Surface; Died @ 5 min
45-FF-BOB 26 mins; Built to 16"
30-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO 30%G 70%O	1.70
0.00	30' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67433

DST#: 2

ATTN: Ed Glassman

Test Start: 2020.10.04 @ 21:45:00

Tool Information

Drill Pipe:	Length: 3460.00 ft	Diameter: 3.82 inches	Volume: 49.05 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3456.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	334.00 ft			
Tool Length:	360.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3431.00	
Change Over Sub	1.00			3432.00	
Shut In Tool	5.00			3437.00	
Hydraulic tool	5.00		Fluid	3442.00	
Gap Sub	5.00			3447.00	
Packer	5.00			3452.00	26.00 Bottom Of Top Packer
Packer	4.00			3456.00	
Stubb	1.00			3457.00	
Perforations	1.00			3458.00	
Change Over Sub	1.00			3459.00	
Drill Pipe	32.00			3491.00	
Change Over Sub	1.00			3492.00	
Recorder	0.00	6838	Inside	3492.00	
Recorder	0.00	8875	Outside	3492.00	
Perforations	27.00			3519.00	
Blank Off Sub	1.00			3520.00	
Top S. Packer	4.00			3524.00	
Stubb	1.00			3525.00	
Perforations	5.00			3530.00	
Change Over Sub	1.00			3531.00	
Recorder	0.00	6749	Below	3531.00	
Drill Pipe	254.00			3785.00	
Change Over Sub	1.00			3786.00	
Perforations	1.00			3787.00	
Bullnose	3.00			3790.00	334.00 Bottom Packers & Anchor

Total Tool Length: 360.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

11-13s-18w Ellis,KS

1952 Victoria Rd
Hays KS 67601+9317

Hall #1

Job Ticket: 67433

DST#: 2

ATTN: Ed Glassman

Test Start: 2020.10.04 @ 21:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

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
120.00	GO 30%G 70%O	1.701
0.00	30' GIP	0.000

Total Length: 120.00 ft

Total Volume: 1.701 bbl

Num Fluid Samples: 0

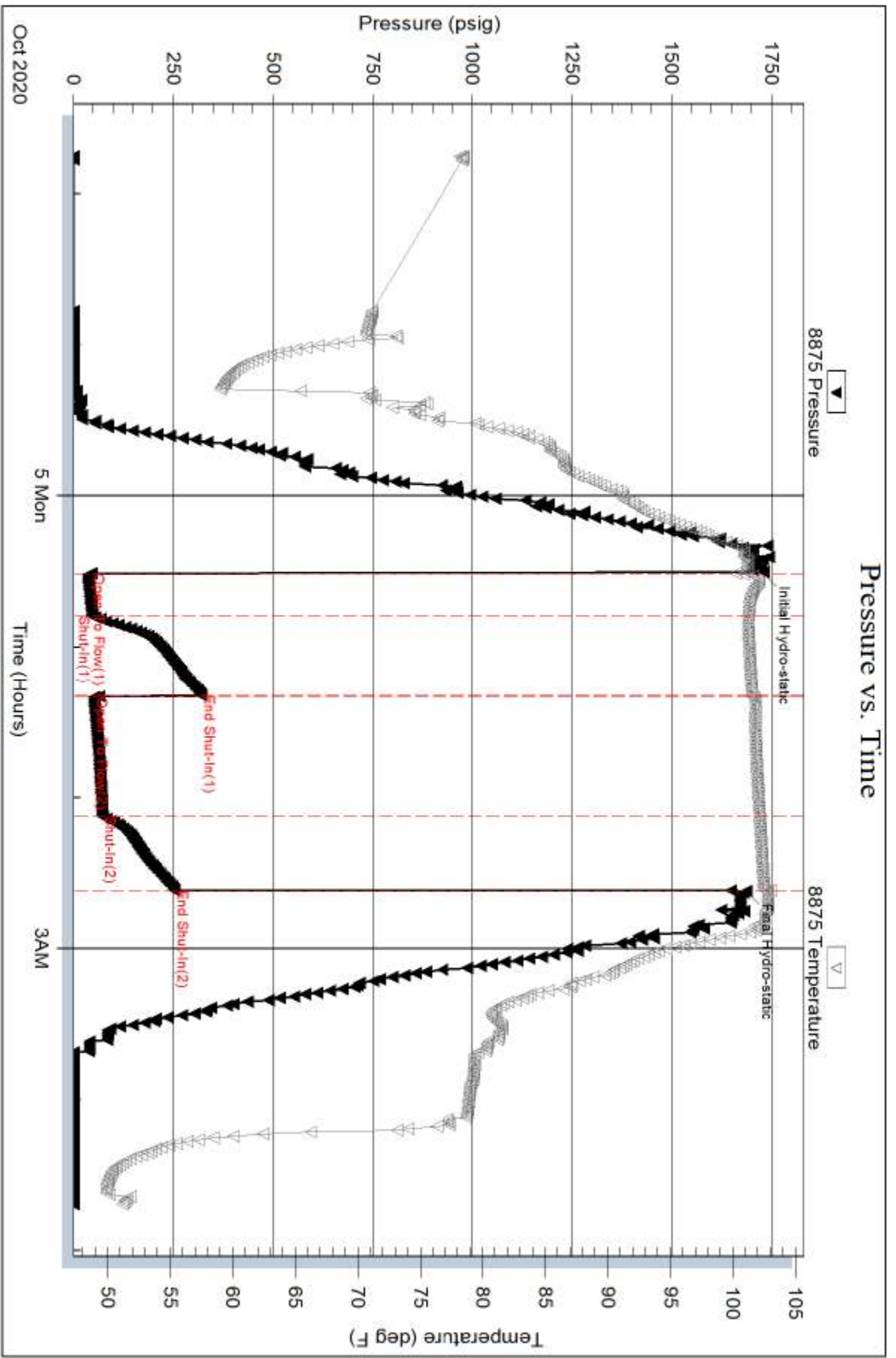
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



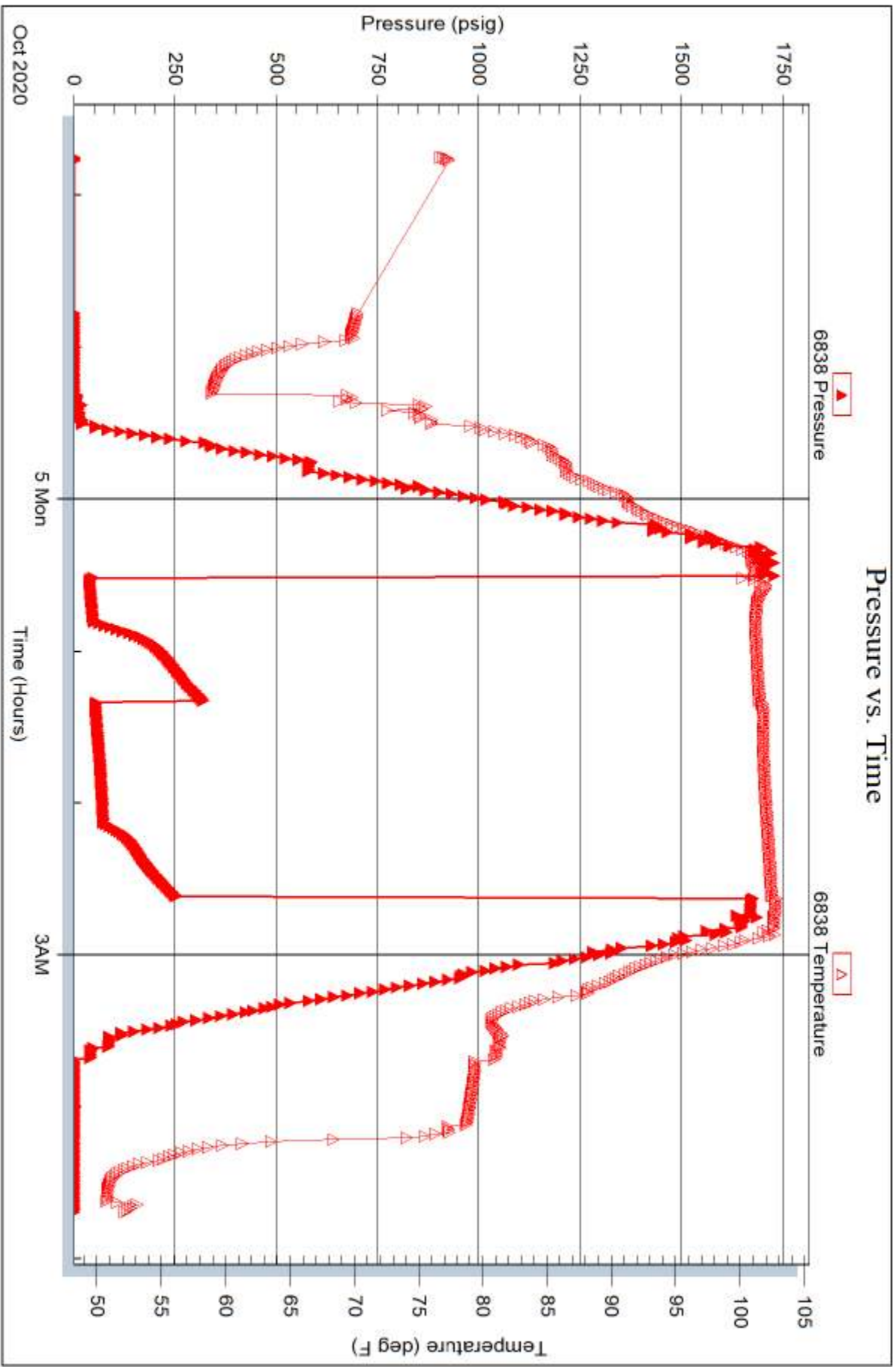
Serial #: 6838

Inside

Anchor Bay Petroleum LLC

Hall #1

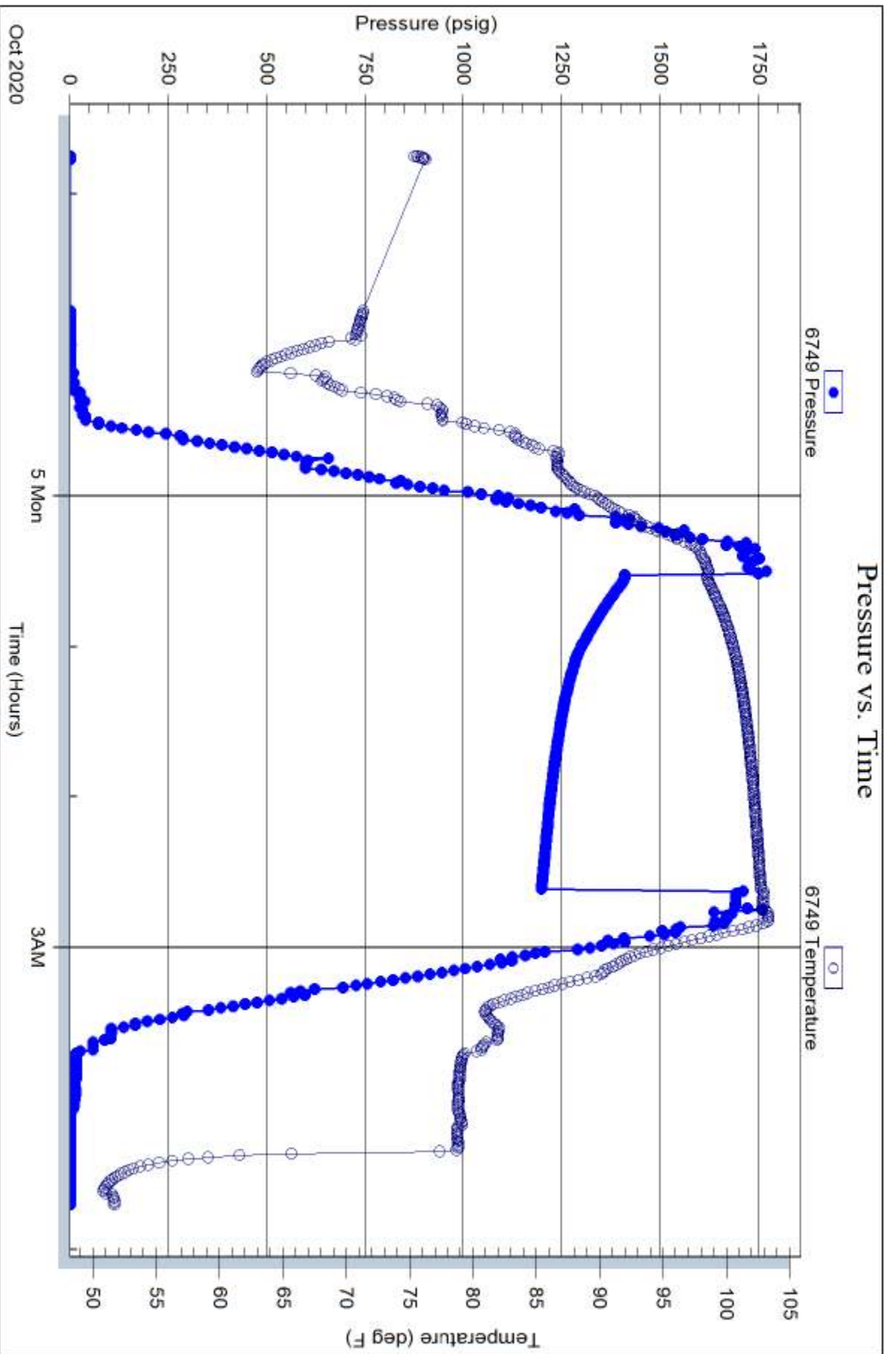
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 67433

Printed: 2020.10.05 @ 11:39:48





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67432

Well Name & No. Hall #1 Test No. 1 Date 10/03/2020
 Company Anchor Bay Petroleum LLC Elevation 2181 KB 2173 GL
 Address 1952 Victoria Rd Hays Ks 67601 + 9317
 Co. Rep / Geo. Ed Glassman Rig Southwind #8
 Location: Sec. 11 Twp 13s Rge. 18w Co. Ellis State Ks

Interval Tested 3500' - 3580' Zone Tested LKC 'C-J'
 Anchor Length 80' Drill Pipe Run 3496' Mud Wt. 8.8
 Top Packer Depth 3495' Drill Collars Run — Vis 56
 Bottom Packer Depth 3500' Wt. Pipe Run — WL 8
 Total Depth 3580' Chlorides 3500 ppm System LCM 2 1/2 #

Blow Description 77- Very Weak Surface; Dial @ 2 min
78- No Return
79- Surge Dead
79- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

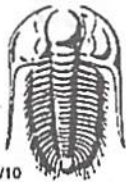
Rec Total 15' BHT 100° Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 1748 Test 1200 T-On Location 20:05
 (B) First Initial Flow 48 Jars — T-Started 20:38
 (C) First Final Flow 50 Safety Joint — T-Open 23:50
 (D) Initial Shut-In 664 Circ Sub — T-Pulled 01:05 10/04/2020
 (E) Second Initial Flow 51 Hourly Standby — T-Out 03:02
 (F) Second Final Flow 52 Mileage 1027 10 Comments —
 (G) Final Shut-In 508 Sampler —
 (H) Final Hydrostatic 1711 Straddle — EM Tool 350
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 15
 Sub Total 1210 MP/DST Disc't —

Approved By — Our Representative J. Steel Thanks!
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0086



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67433

Well Name & No. Hall #1 Test No. 2 Date 10/04/2020
 Company Anchor Bay Petroleum LLC Elevation 2181 KB 2173 GL
 Address 1952 Victoria Rd Hays Ks 67601+9317
 Co. Rep / Geo. Ed Glassman Rig Southwind #8
 Location: Sec. 11 Twp 13A Rge. 18W Co. Ellis State Ks

Interval Tested 3456' - 3524' Zone Tested LAC 'C'
 Anchor Length 68' tail 266' Drill Pipe Run 3460' Mud Wt. 8.8
 Top Packer Depth 3456' Drill Collars Run - Vis 51
 Bottom Packer Depth 3524' Wt. Pipe Run - WL 7.6
 Total Depth 3790' Chlorides 5000 ppm System LCM 2#

Blow Description 77-BOB 11 mins; Built to 14"
78A-Surface; Died @ 5 min
77-BOB 26 min; Built to 16"
78A-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>Geo</u>	<u>30</u>	<u>70</u>		
<u>30'</u>	<u>GIP</u>	<u>100</u>			

Rec Total 120' BHT 102° Gravity 24 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1729 Test 1200 T-On Location 21:20
 (B) First Initial Flow 44 Jars _____ T-Started 21:45
 (C) First Final Flow 47 Safety Joint _____ T-Open 00:30 10/5/2020
 (D) Initial Shut-In 320 Circ Sub _____ T-Pulled 02:30
 (E) Second Initial Flow 52 Hourly Standby _____ T-Out 04:42
 (F) Second Final Flow 73 Mileage 1027 10 Comments loaded after test
 (G) Final Shut-In 254 Sampler _____
 (H) Final Hydrostatic 1687 Straddle 600 EM Tool 350

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 1810 Accessibility _____ Total 1810
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature] Thanks!
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0056