

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33933  
Name: Anchor Bay Petroleum LLC  
Address 1: 2713 Ash Street  
Address 2: \_\_\_\_\_  
City: Hays State: KS Zip: 67601 + \_\_\_\_\_  
Contact Person: Ed Glassman  
Phone: (785) 259-5807  
CONTRACTOR: License # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Ed Glassman  
Purchaser: None

Designate Type of Completion:  
 New Well       Re-Entry       Workover  
 Oil       WSW       SWD       SIOW  
 Gas       D&A       ENHR       SIGW  
 OG       GSW       Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

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

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

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth  
 Commingled      Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD      Permit #: \_\_\_\_\_  
 ENHR      Permit #: \_\_\_\_\_  
 GSW      Permit #: \_\_\_\_\_

7/16/2011	7/21/2011	7/21/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,962-00-00  
Spot Description: \_\_\_\_\_  
NE SW NW SW Sec. 20 Twp. 10 S. R. 20  East  West  
1,759 Feet from  North /  South Line of Section  
4,642 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Rooks  
Lease Name: Hamilton Well #: 2  
Field Name: Unnamed  
Producing Formation: None  
Elevation: Ground: 2143 Kelly Bushing: 2151  
Total Depth: 3790 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 221 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: 16,000 ppm Fluid volume: 320 bbls  
Dewatering method used: Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: KCC WICHITA  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Ed Glassman  
Title: Geologist Date: 10-21-2011

KCC Office Use ONLY

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: DA Date: 11/4/11

Operator Name: Anchor Bay Petroleum LLC Lease Name: Hamilton Well #: 2  
 Sec. 20 Twp. 10 S. R. 20  East  West County: Rooks

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Stone Corral</td> <td>1666</td> <td>486</td> </tr> <tr> <td>B/Stone Corral</td> <td>1703</td> <td>449</td> </tr> <tr> <td>Topeka</td> <td>3202</td> <td>-1050</td> </tr> <tr> <td>Heebner</td> <td>3409</td> <td>-1257</td> </tr> <tr> <td>Lansing</td> <td>3443</td> <td>-1291</td> </tr> <tr> <td>B/Kansas City</td> <td>3667</td> <td>-1515</td> </tr> <tr> <td>Arbuckle</td> <td>NDE</td> <td></td> </tr> </tbody> </table>	Name	Top	Datum	Stone Corral	1666	486	B/Stone Corral	1703	449	Topeka	3202	-1050	Heebner	3409	-1257	Lansing	3443	-1291	B/Kansas City	3667	-1515	Arbuckle	NDE	
Name	Top	Datum																							
Stone Corral	1666	486																							
B/Stone Corral	1703	449																							
Topeka	3202	-1050																							
Heebner	3409	-1257																							
Lansing	3443	-1291																							
B/Kansas City	3667	-1515																							
Arbuckle	NDE																								

CASING RECORD <input checked="" 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
Surface	12.25"	8.625"	23#	221'	Common	150	2% Gel, 3% CC

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

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

No. 5306

Date	7-21-11	Sec.	20	Twp.	10	Range	20	County	ROCKS	State	KS	On Location		Finish	3:45pm
Lease	Hamilton		Well No.	2		Location Ellis Co. 1/2 N E into									
Contractor	Discovers #1							Owner							
Type Job	Rotary Plug							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.							
Hole Size	7 7/8		T.D.	3790											
Csg.			Depth	Charge To Anchor Bay Petroleum											
Tbg. Size			Depth	Street											
Tool			Depth	City State											
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace	Cement Amount Ordered 220 60/40 40/60 1/4 #10											

### EQUIPMENT

Pumptrk	No.	Cementer	Helper	Common
		Craig		132
Bulktrk	No.	Driver	Driver	Poz. Mix
5		Male		88
Bulktrk	No.	Driver	Driver	Gel.
8		Coy		8

### JOB SERVICES & REMARKS

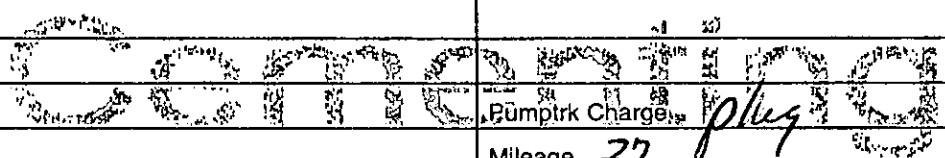
Remarks:	Hulls
Rat Hole 30SK	Salt
Mouse Hole 15SK	Flowseal 504
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
1st 1684 25SK	Sand
2nd 870 100SK	Handling 228
3rd 275 40SK	Mileage
4th 410 10SK	

### FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 7/8 wooden Plug
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

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Pumptrk Charge	plug	Tax	
Mileage	37	Discount	
Signature	Cliff Mayfield	Total Charge	

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67069

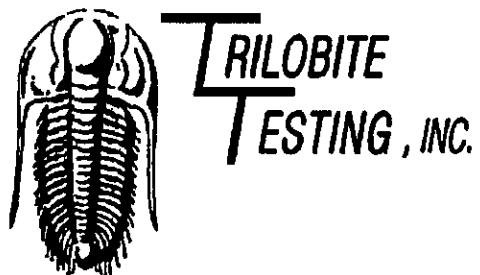
No. 5051

Date	Sec.	Twp.	Range	County	State	On Location	Finish		
7-16-11	20	10	20	Rooks	Kansas		5:45 PM		
Lease	Hamilton		Well No.	2				Location	Ellis N. to Corline 2N 1W 1/4
Contractor	Discovery Drilling Rig			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.	
Type Job	Surface			Charge To				Anchor Bay Petroleum, LLC	
Hole Size	12 1/4	T.D.	221		Street				
Csg.	8 5/8	23 1/2	Depth	221		City			
Tbg. Size			Depth			State			
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.	10-15'		Shoe Joint			Cement Amount Ordered			150 Common
Meas Line			Displace	13 1/2 Bbl		3 1/2 CC 2 1/2 bbl			
<b>EQUIPMENT</b>									
Pumptrk	9	No.	Cementer	Steve		Common			
			Helper	Steve					
Bulktrk	14	No.	Driver	Steve		Poz. Mix			
			Driver	Steve					
Bulktrk		No.	Driver	Cory		Gel. 3			
			Driver	Cory		Calcium 5			
<b>JOB SERVICES &amp; REMARKS</b>									
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					
				Sand					
				Handling 158					
				Mileage					
				<b>FLOAT EQUIPMENT</b>					
				Guide Shoe					
				Centralizer					
				Baskets					
				AFU Inserts					
				Float Shoe					
				Latch Down					
				Pumptrk Charge					
				Surface					
				Mileage 35					
				Tax					
				Discount					
				Total Charge					
X Signature	Clyde Mayfield								

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KCC WICHITA



## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St  
Hays, KS 67601

ATTN: Ed Glassman

**20-10s-20 Rooks,KS**

**Hamilton #2**

Start Date: 2011.07.20 @ 08:13:20

End Date: 2011.07.20 @ 08:13:50

Job Ticket #: 45184                      DST #: 1

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**KCC WICHITA**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Anchor Bay Petroleum LLC

Hamilton #2

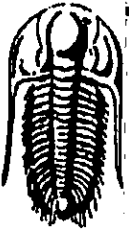
20-10s-20 Rooks,KS

DST # 1

KC "H-K"

2011.07.20





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC

Hamilton #2

2713 Ash St  
Hays, KS 67601

20-10s-20 Rooks, KS

Job Ticket: 45184

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.07.20 @ 08:13:20

**Tool Information**

Drill Pipe:	Length: 3522.00 ft	Diameter: 3.80 inches	Volume: 49.40 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 49.55 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3565.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	120.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

**Tool Comments:**

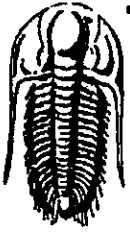
Recorders Did not download properly. They are being sent to Canada to see if we can get the info off of them

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	4.00			3560.00	20.00 Bottom Of Top Packer
Packer	5.00			3565.00	
Stubb	1.00			3566.00	
Perforations	1.00			3567.00	
Change Over Sub	1.00			3568.00	
Drill Pipe	93.00			3661.00	
Change Over Sub	1.00			3662.00	
Recorder	0.00	8319	Inside	3662.00	
Recorder	0.00	6753	Outside	3662.00	
Bullnose	3.00			3665.00	100.00 Bottom Packers & Anchor

**Total Tool Length: 120.00**

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**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Anchor Bay Petroleum LLC

Hamilton #2

2713 Ash St  
Hays, KS 67601

20-10s-20 Rooks, KS

Job Ticket: 45184

DST#: 1

ATTN: Ed Glassman

Test Start: 2011.07.20 @ 08:13:20

**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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
31.00	Mud w/ scum of oil	0.152

Total Length: 31.00 ft      Total Volume: 0.152 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

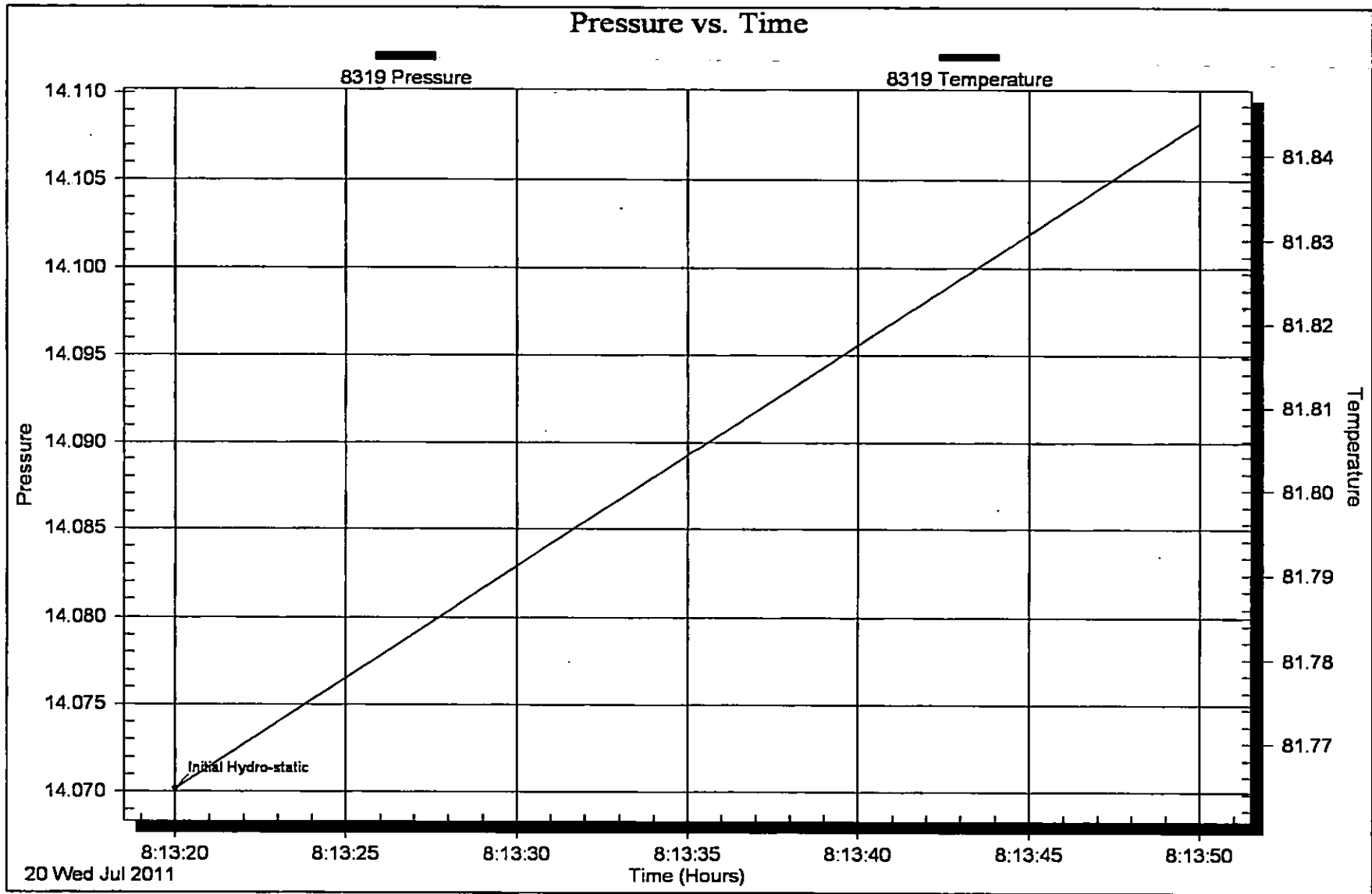
Serial #:

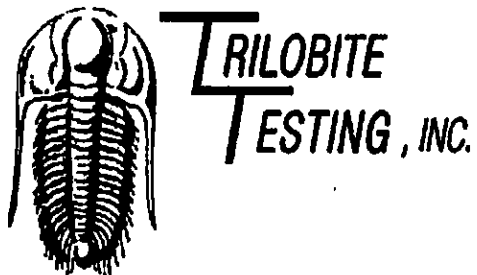
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St  
Hays, KS 67601

ATTN: Ed Glassman

**20-10s-20 Rooks,KS**

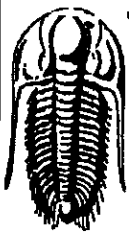
**Hamilton #2**

Start Date: 2011.07.20 @ 22:39:00

End Date: 2011.07.21 @ 03:56:30

Job Ticket #: 45185                      DST #: 2

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

Hamilton #2

2713 Ash St  
Hays, KS 67601

20-10s-20 Rooks, KS

ATTN: Ed Glassman

Job Ticket: 45185

DST#: 2

Test Start: 2011.07.20 @ 22:39:00

## GENERAL INFORMATION:

Formation: **Conglomerate Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:54:00

Time Test Ended: 03:56:30

Test Type: Conventional Bottom Hole

Tester: Cody Bloedorn

Unit No: 47

Interval: **3725.00 ft (KB) To 3762.00 ft (KB) (TVD)**

Reference Elevations: 2144.00 ft (KB)

Total Depth: 3665.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **6753**

Outside

Press@RunDepth: 37.40 psig @ 3760.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.20

End Date:

2011.07.21

Last Calib.: 2011.07.21

Start Time: 22:39:05

End Time:

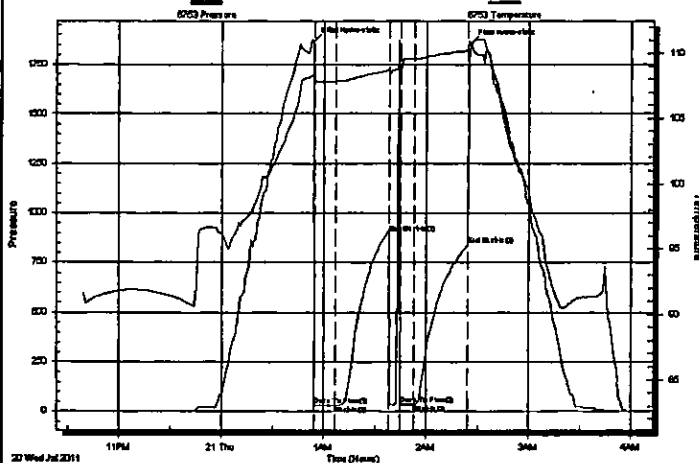
03:56:29

Time On Btrr: 2011.07.21 @ 00:53:30

Time Off Btrr: 2011.07.21 @ 02:25:30

**TEST COMMENT:** 15 - IF- Weak surface blow  
30 - IS- No blow back,  
15 - FF - waited 5 Mn. Flushed tool, no blow  
30 - FS- No blow back

Pressure vs. Time



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1865.71	108.34	Initial Hydro-static
1	30.85	107.84	Open To Flow (1)
13	32.10	107.83	Shut-In(1)
45	898.29	108.68	End Shut-In(1)
51	35.43	108.60	Open To Flow (2)
59	37.40	109.55	Shut-In(2)
91	837.75	110.23	End Shut-In(2)
92	1857.90	110.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	WM, 2%W, 98%M, Oil scum	0.10

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Anchor Bay Petroleum LLC

Hamilton #2

2713 Ash St  
Hays, KS 67601

20-10s-20 Rooks, KS

Job Ticket: 45185

DST#: 2

ATTN: Ed Glassman

Test Start: 2011.07.20 @ 22:39:00

**Tool Information**

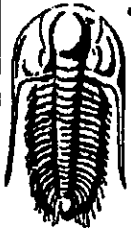
Drill Pipe:	Length: 3701.00 ft	Diameter: 3.80 inches	Volume: 51.92 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
		<b>Total Volume: 52.07 bbl</b>		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3725.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	38.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3705.00	
Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	21.00 Bottom Of Top Packer
Packer	5.00			3725.00	
Stubb	1.00			3726.00	
Perforations	1.00			3727.00	
Change Over Sub	1.00			3728.00	
Drill Pipe	31.00			3759.00	
Change Over Sub	1.00			3760.00	
Recorder	0.00	8319	Inside	3760.00	
Recorder	0.00	6753	Outside	3760.00	
Bullnose	3.00			3763.00	38.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Anchor Bay Petroleum LLC

**Hamilton #2**

2713 Ash St  
Hays, KS 67601

**20-10s-20 Rooks, KS**

Job Ticket: 45185

**DST#: 2**

ATTN: Ed Glassman

Test Start: 2011.07.20 @ 22:39:00

**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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	VM, 2%V, 98%M, Oil scum	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Drilling time showed ar buckle, samples show its the chert glomerate.

