



KANSAS CORPORATION COMMISSION 1098365
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 ST
Address 2:
City: HAYS State: KS Zip: 67601 + 1677
Contact Person: Ed Glassman
Phone: (785) 259-5807
CONTRACTOR: License # 34535
Name: Integrity Drilling Co., LLC
Wellsite Geologist: Ed Glassman
Purchaser:

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SLOW
 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 #:

07/21/2012	07/29/2012	09/06/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24053-00-00
Spot Description: 134' East and 110' South NESWNWSW
NE_SW_NW_SW Sec. 19 Twp. 10 S. R. 20 East West
1705 Feet from North / South Line of Section
4651 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Romine SW Well #: 5
Field Name: Cooper
Producing Formation: None
Elevation: Ground: 2163 Kelly Bushing: 2166
Total Depth: 3832 Plug Back Total Depth: 3782
Amount of Surface Pipe Set and Cemented at: 204 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1706 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: 5000 ppm Fluid volume: 1500 bbls
Dewatering method used: Evaporated
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

Letter of Confidentiality Received
Date:
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 10/31/2012



1098365

Operator Name: Anchor Bay Petroleum LLC Lease Name: Romine SW Well #: 5
 Sec. 19 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction, Compensated Density-Neutron, Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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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	204	Common	165	3%cc, 2% gel
Production	7.875	5.5	15.5	3830	Common	150	10% salt,

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	3759-3780	Common	50	none
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD	3759-3780	Common	75	none
<input checked="" 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
4	3759-3780	750 gal 15% HCL MCA	3759
2	3641-3647	500 gal 15 HCL MCA	3641

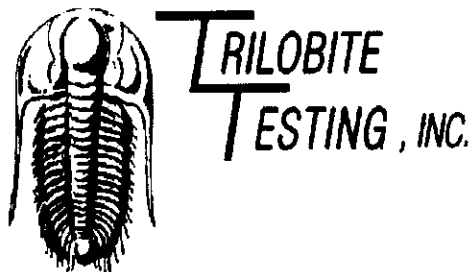
TUBING RECORD: Size: <u>None</u> Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>09/06/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other <i>(Explain)</i> <u>Will P & A, Already filed Plugging application</u>	
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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>None</u>
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Form	ACO1 - Well Completion
Operator	Anchor Bay Petroleum LLC
Well Name	Romine SW 5
Doc ID	1098365

Tops

Stone Corral	1638	528
Topeka	3202	-1036
Heebner	3408	-1242
Lansing	3448	-1282
B/Kansas City	3670	-1504
Conglomerate	3718	-1552
Simpson	3739	-1573
Arbuckle	3759	-1593



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St
Hays KS 67601

ATTN: Ed Glassman

Romine SW #5

19-10s-20w Rooks,KS

Start Date: 2012.07.26 @ 08:25:00

End Date: 2012.07.26 @ 16:15:30

Job Ticket #: 47079 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.31 @ 11:42:32

Anchor Bay Petroleum LLC

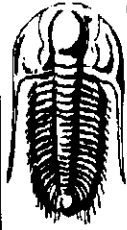
19-10s-20w Rooks,KS

Romine SW #5

DST # 1

KC"H-K"

2012.07.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

19-10s-20w Rocks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47079

DST#: 1

ATTN: Ed Glassman

Test Start: 2012.07.26 @ 08:25:00

GENERAL INFORMATION:

Formation: **KC"H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:30

Time Test Ended: 16:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3591.00 ft (KB) To 3655.00 ft (KB) (TVD)**

Total Depth: 3655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2163.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Inside

Press@RunDepth: 29.38 psig @ 3592.00 ft (KB)

Start Date: 2012.07.26

End Date: 2012.07.26

Start Time: 08:25:05

End Time: 16:15:29

Capacity: 8000.00 psig

Last Calib.: 2012.07.26

Time On Btm: 2012.07.26 @ 11:51:30

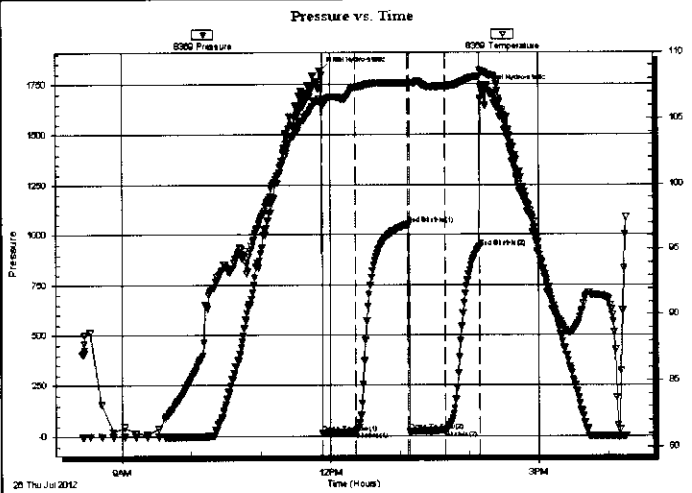
Time Off Btm: 2012.07.26 @ 14:11:00

TEST COMMENT: IF-1 1/4" blow

ISI-No blow

FF-No blow

FSI-No blow



PRESSURE SUMMARY

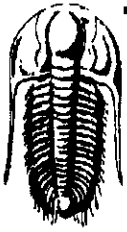
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1818.62	106.48	Initial Hydro-static
2	16.99	105.94	Open To Flow (1)
31	23.07	107.37	Shut-In(1)
76	1049.12	107.66	End Shut-In(1)
77	23.83	107.61	Open To Flow (2)
108	29.38	107.45	Shut-In(2)
137	938.00	108.18	End Shut-In(2)
140	1729.16	108.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM 10%O 90%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47079 **DST#: 1**

ATTN: Ed Glassman

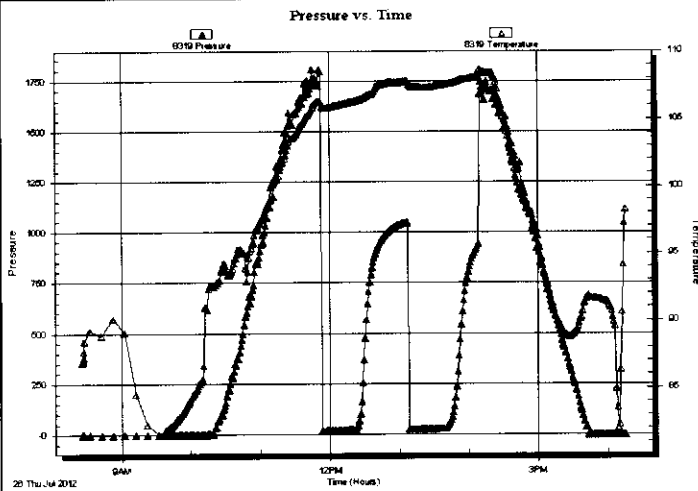
Test Start: 2012.07.26 @ 08:25:00

GENERAL INFORMATION:

Formation: **KC "H-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:53:30
 Time Test Ended: 16:15:30
 Interval: **3591.00 ft (KB) To 3655.00 ft (KB) (TVD)**
 Total Depth: 3655.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2172.00 ft (KB)
 2163.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8319 Outside
 Press@RunDepth: psig @ 3592.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.26 End Date: 2012.07.26 Last Calib.: 2012.07.26
 Start Time: 08:25:05 End Time: 16:15:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-1 1/4" blow
 IS- No blow
 FF- No blow
 FS- No blow



PRESSURE SUMMARY

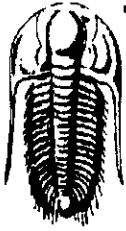
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM 10%O 90%M	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum LLC
2713 Ash St
Hays KS 67601
ATTN: Ed Glassman

19-10s-20w Rooks,KS
Romine SW #5
Job Ticket: 47079 **DST#: 1**
Test Start: 2012.07.26 @ 08:25:00

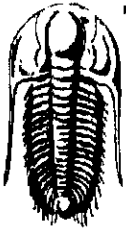
Tool Information

Drill Pipe:	Length: 3593.00 ft	Diameter: 3.80 inches	Volume: 50.40 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 60000.00 lb
			<u>Total Volume: 50.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3591.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3571.00	
Shut In Tool	5.00			3576.00	
Hydraulic tool	5.00			3581.00	
Packer	5.00			3586.00	21.00 Bottom Of Top Packer
Packer	5.00			3591.00	
Stubb	1.00			3592.00	
Recorder	0.00	8369	Inside	3592.00	
Recorder	0.00	8319	Outside	3592.00	
Perforations	27.00			3619.00	
Change Over Sub	1.00			3620.00	
Drill Pipe	31.00			3651.00	
Change Over Sub	1.00			3652.00	
Bullnose	3.00			3655.00	64.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47079

DST#: 1

ATTN: Ed Glassman

Test Start: 2012.07.26 @ 08:25:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	VSOCM 10%O 90%M	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

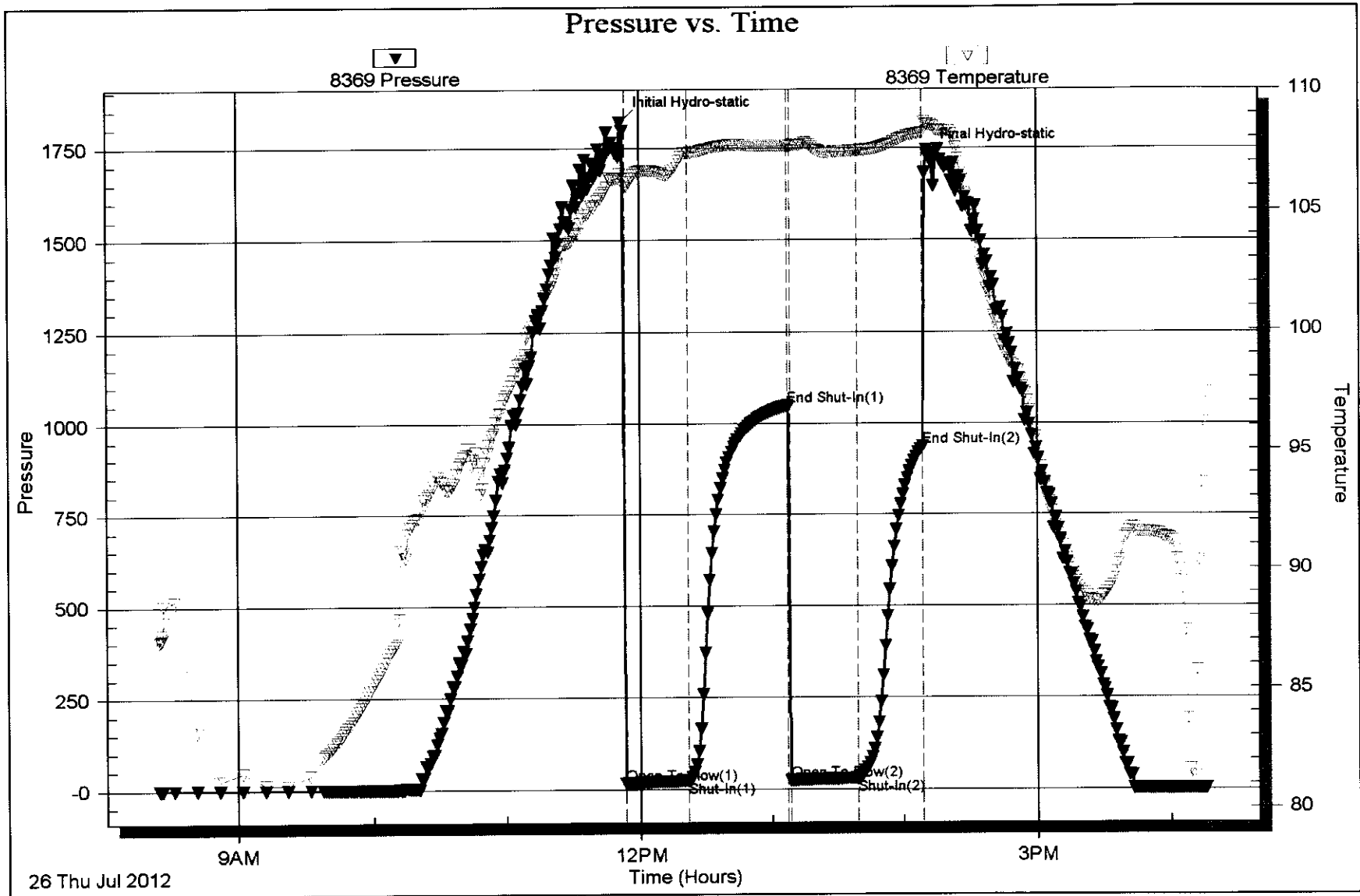
Num Gas Bombs: 0

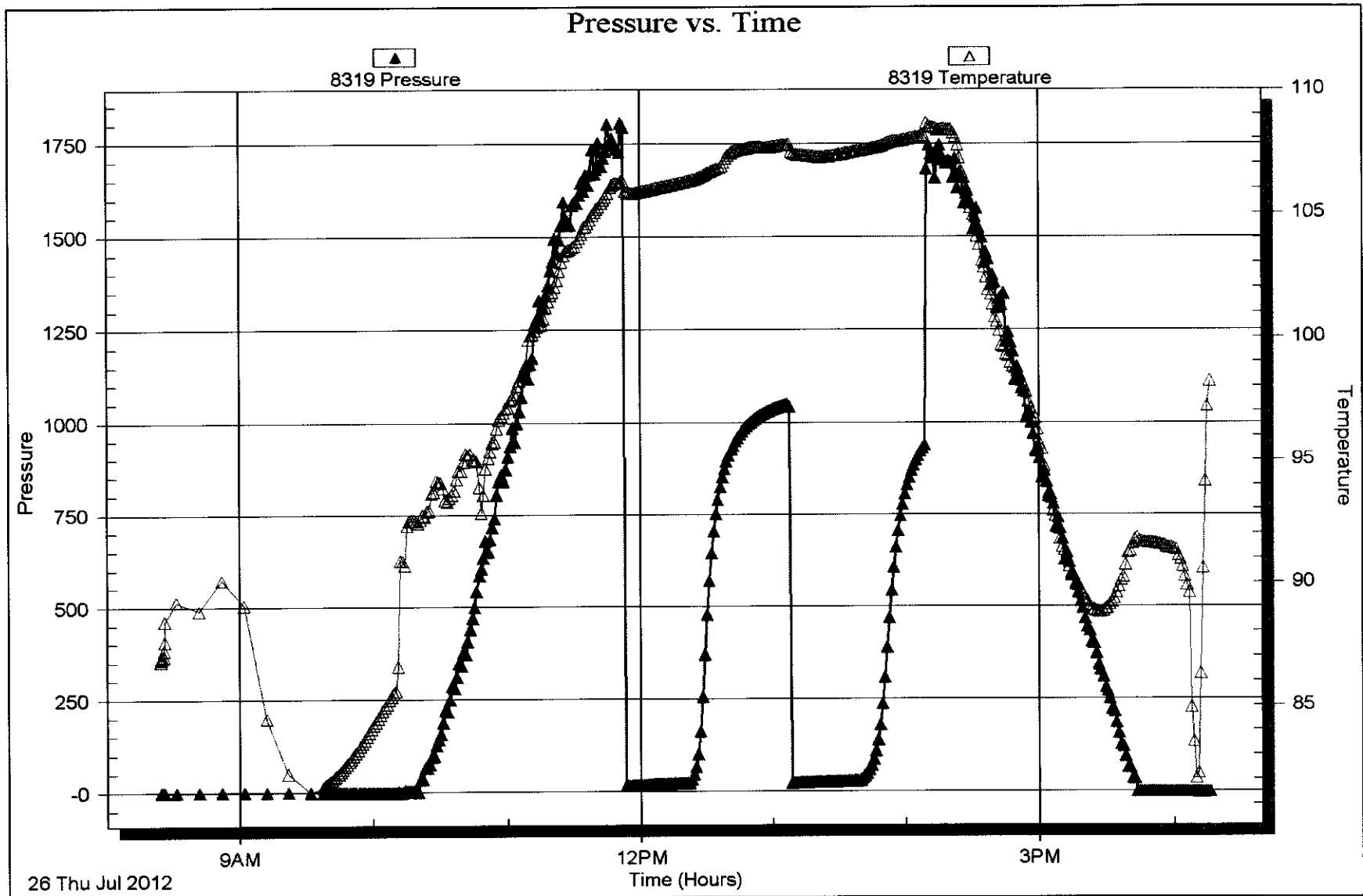
Serial #:

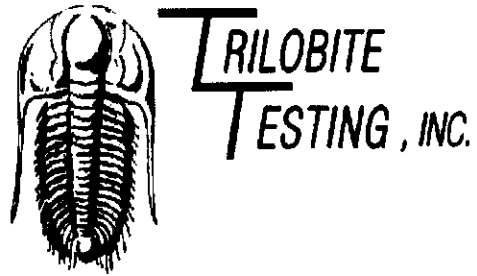
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St
Hays KS 67601

ATTN: Ed Glassman

Romine SW #5

19-10s-20w Rooks,KS

Start Date: 2012.07.27 @ 06:25:00

End Date: 2012.07.27 @ 13:01:00

Job Ticket #: 47080 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Anchor Bay Petroleum LLC 19-10s-20w Rooks,KS Romine SW #5 DST # 2 Arbuckle 2012.07.27



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47080

DST#: 2

ATTN: Ed Glassman

Test Start: 2012.07.27 @ 06:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:34:30

Time Test Ended: 13:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3664.00 ft (KB) To 3760.00 ft (KB) (TVD)**

Total Depth: 3760.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2163.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369

Inside

Press@RunDepth: 23.46 psig @ 3665.00 ft (KB)

Start Date: 2012.07.27

End Date: 2012.07.27

Capacity: 8000.00 psig

Last Calib.: 2012.07.27

Start Time: 06:25:05

End Time: 13:00:59

Time On Btm: 2012.07.27 @ 08:32:30

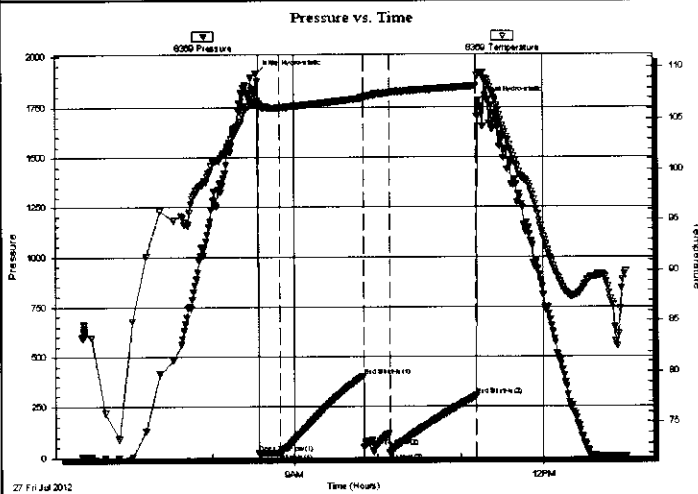
Time Off Btm: 2012.07.27 @ 11:13:30

TEST COMMENT: IF-3/4" blow

ISI-No blow

FF-No blow

FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.21	106.65	Initial Hydro-static
2	21.17	106.41	Open To Flow (1)
17	23.79	106.05	Shut-In(1)
78	400.56	106.99	End Shut-In(1)
78	50.76	107.01	Open To Flow (2)
97	23.46	107.50	Shut-In(2)
159	301.14	108.15	End Shut-In(2)
161	1780.74	109.35	Final Hydro-static

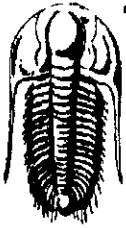
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

* 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

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47080

DST#: 2

ATTN: Ed Glassman

Test Start: 2012.07.27 @ 06:25:00

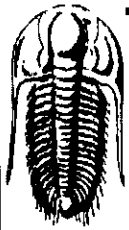
Tool Information

Drill Pipe:	Length: 3657.00 ft	Diameter: 3.80 inches	Volume: 51.30 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 55000.00 lb
			<u>Total Volume: 51.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3664.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3644.00	
Shut In Tool	5.00			3649.00	
Hydraulic tool	5.00			3654.00	
Packer	5.00			3659.00	21.00 Bottom Of Top Packer
Packer	5.00			3664.00	
Stubb	1.00			3665.00	
Recorder	0.00	8369	Inside	3665.00	
Recorder	0.00	8319	Outside	3665.00	
Perforations	27.00			3692.00	
Change Over Sub	1.00			3693.00	
Drill Pipe	63.00			3756.00	
Change Over Sub	1.00			3757.00	
Bullnose	3.00			3760.00	96.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47080

DST#: 2

ATTN: Ed Glassman

Test Start: 2012.07.27 @ 06:25:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

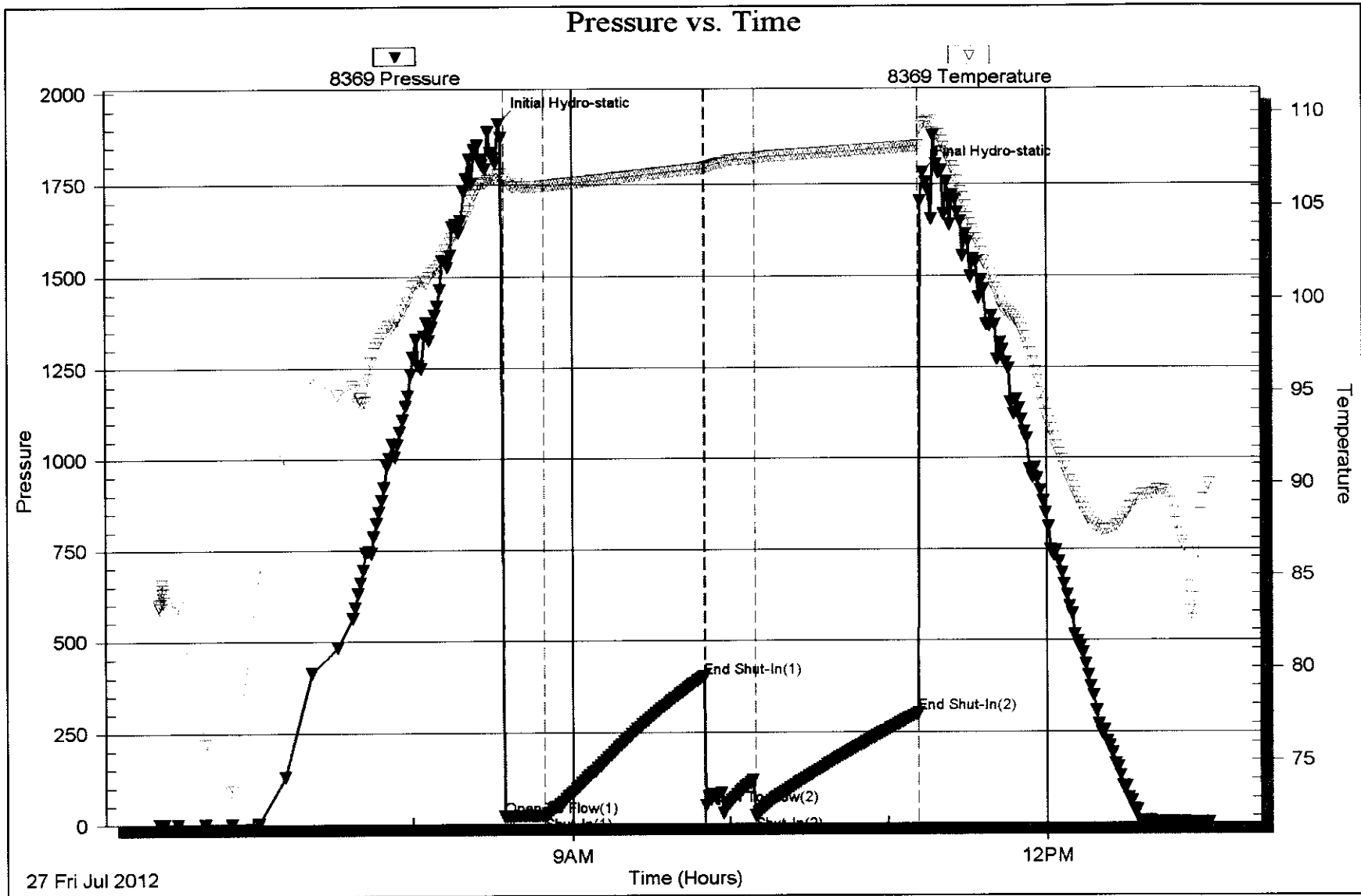
Num Gas Bombs: 0

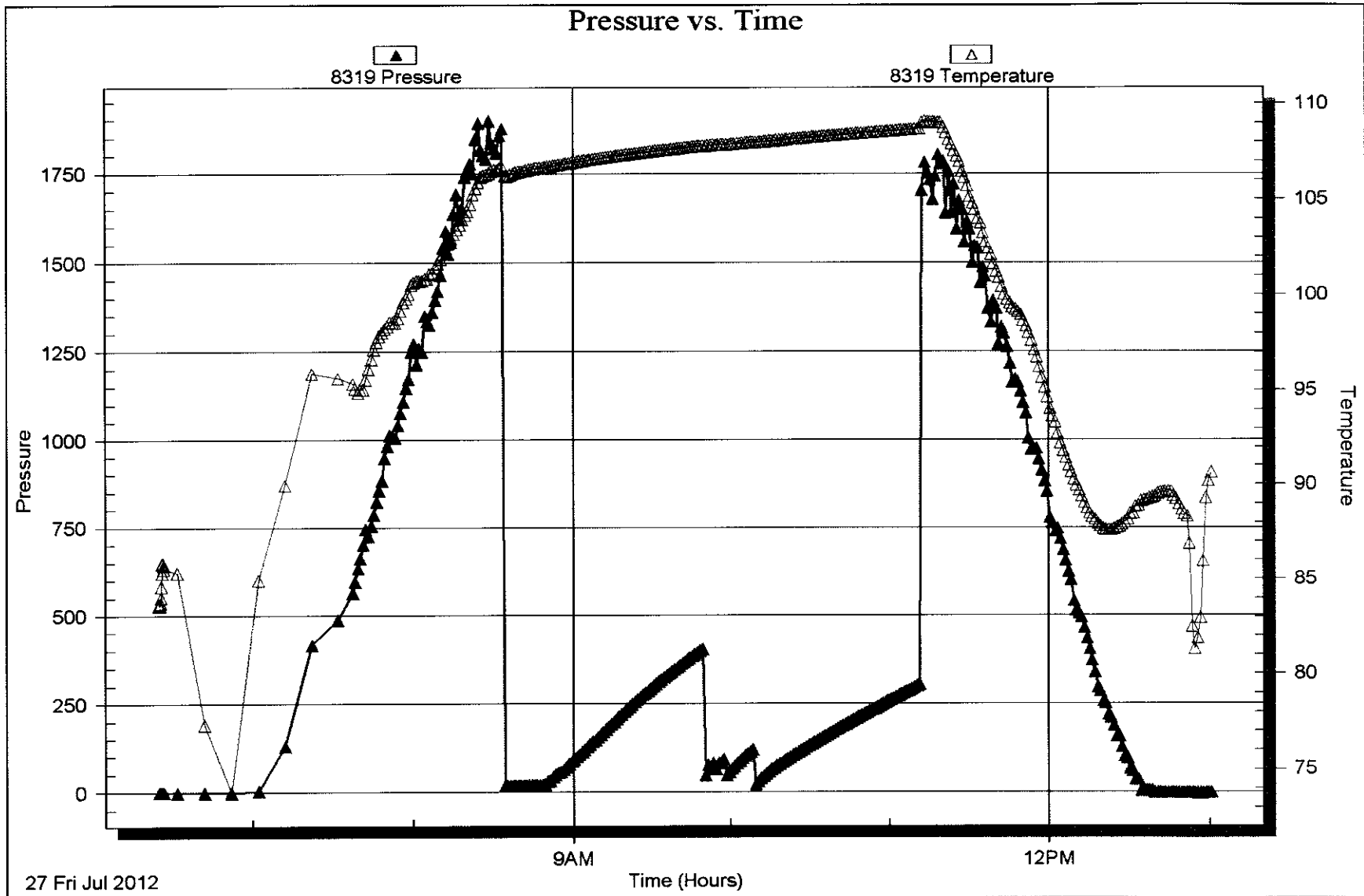
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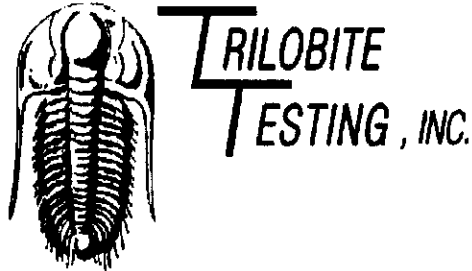
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St
Hays KS 67601

ATTN: Ed Glassman

Romine SW #5

19-10s-20w Rooks,KS

Start Date: 2012.07.27 @ 20:45:00

End Date: 2012.07.28 @ 01:50:00

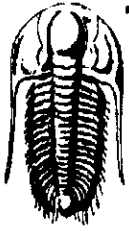
Job Ticket #: 47081 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.31 @ 11:40:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47081

DST#: 3

ATTN: Ed Glassman

Test Start: 2012.07.27 @ 20:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 01:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3758.00 ft (KB) To 3784.00 ft (KB) (TVD)**

Total Depth: 3784.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2163.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8369 Inside

Press@RunDepth: psig @ 3759.00 ft (KB)

Start Date: 2012.07.27

End Date: 2012.07.28

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

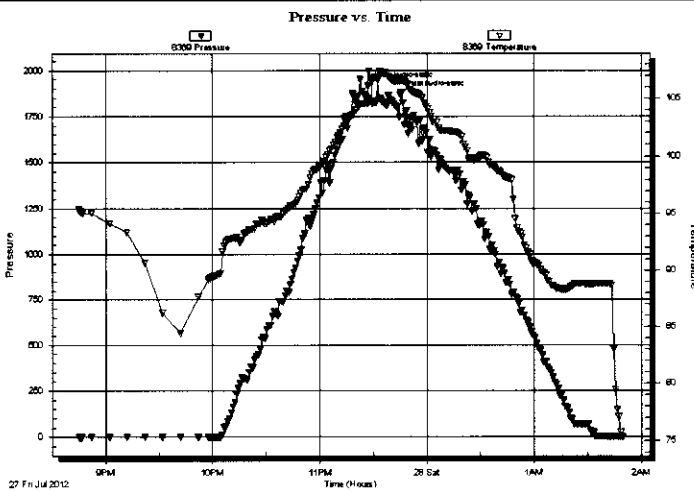
Start Time: 20:45:05

End Time: 01:49:59

Time On Btm: 2012.07.27 @ 23:27:00

Time Off Btm: 2012.07.27 @ 23:45:00

TEST COMMENT: IF-packer failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.66	104.58	Initial Hydro-static
18	1867.19	106.64	Final Hydro-static

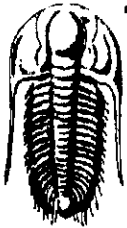
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	1.68

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC
 2713 Ash St
 Hays KS 67601
 ATTN: Ed Glassman

19-10s-20w Rooks,KS
Romine SW #5
 Job Ticket: 47081 **DST#: 3**
 Test Start: 2012.07.27 @ 20:45:00

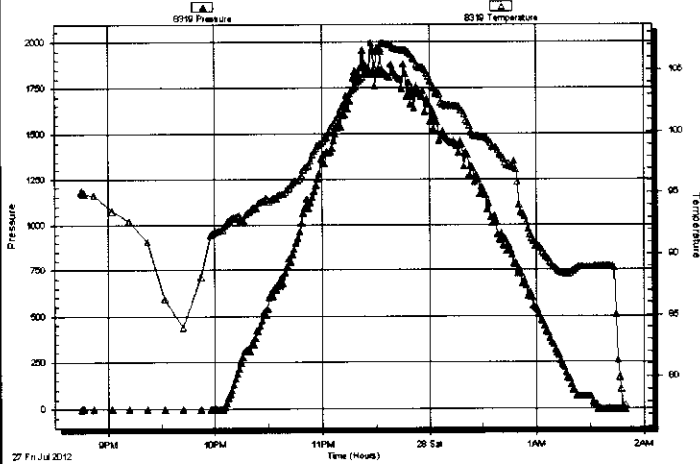
GENERAL INFORMATION:

Formation:	Arbuckle	Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock: ft (KB)	Tester:	Brett Dickinson
Time Tool Opened:		Unit No:	59
Time Test Ended:	01:50:00	Reference Elevations:	2172.00 ft (KB)
Interval:	3758.00 ft (KB) To 3784.00 ft (KB) (TVD)		2163.00 ft (CF)
Total Depth:	3784.00 ft (KB) (TVD)	KB to GR/CF:	9.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair

Serial #: 8319	Outside	Capacity:	8000.00 psig
Press@RunDepth:	psig @ 3759.00 ft (KB)	Last Calib.:	2012.07.28
Start Date:	2012.07.27	End Date:	2012.07.28
Start Time:	20:45:05	End Time:	01:49:59
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: IF-packer failure

Pressure vs. Time



PRESSURE SUMMARY

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

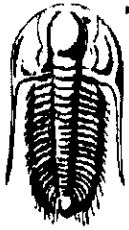
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud	1.68

* 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

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47081

DST#: 3

ATTN: Ed Glassman

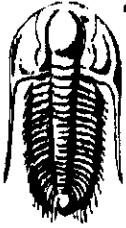
Test Start: 2012.07.27 @ 20:45:00

Tool Information

Drill Pipe:	Length: 3745.00 ft	Diameter: 3.80 inches	Volume: 52.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 52000.00 lb
			<u>Total Volume: 52.53 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3758.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3738.00	
Shut In Tool	5.00			3743.00	
Hydraulic tool	5.00			3748.00	
Packer	5.00			3753.00	21.00 Bottom Of Top Packer
Packer	5.00			3758.00	
Stubb	1.00			3759.00	
Recorder	0.00	8369	Inside	3759.00	
Recorder	0.00	8319	Outside	3759.00	
Perforations	22.00			3781.00	
Bullnose	3.00			3784.00	26.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC
2713 Ash St
Hays KS 67601
ATTN: Ed Glassman

19-10s-20w Rooks,KS
Romine SW #5
Job Ticket: 47081 **DST#: 3**
Test Start: 2012.07.27 @ 20:45:00

Mud and Cushion Information

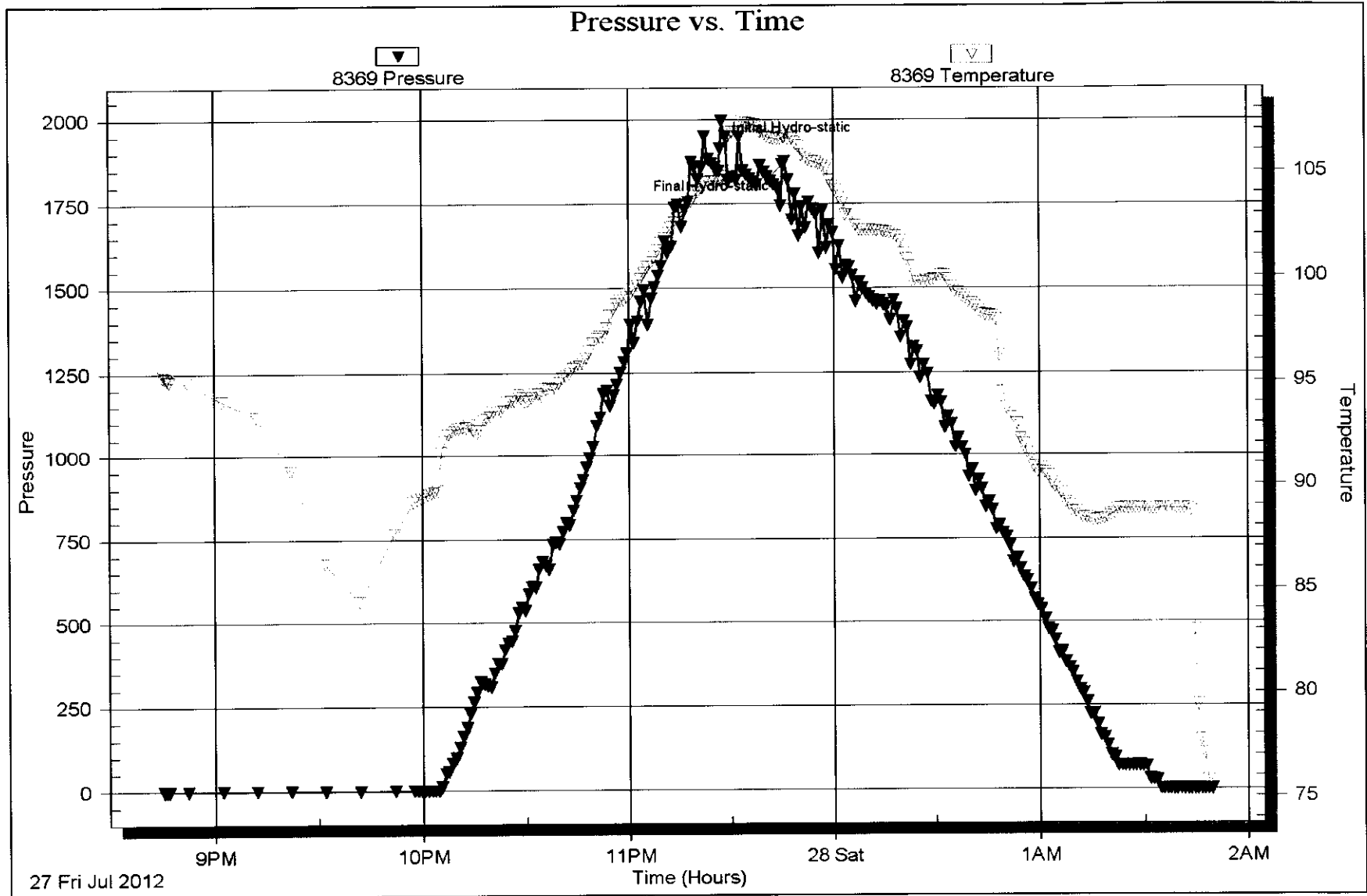
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

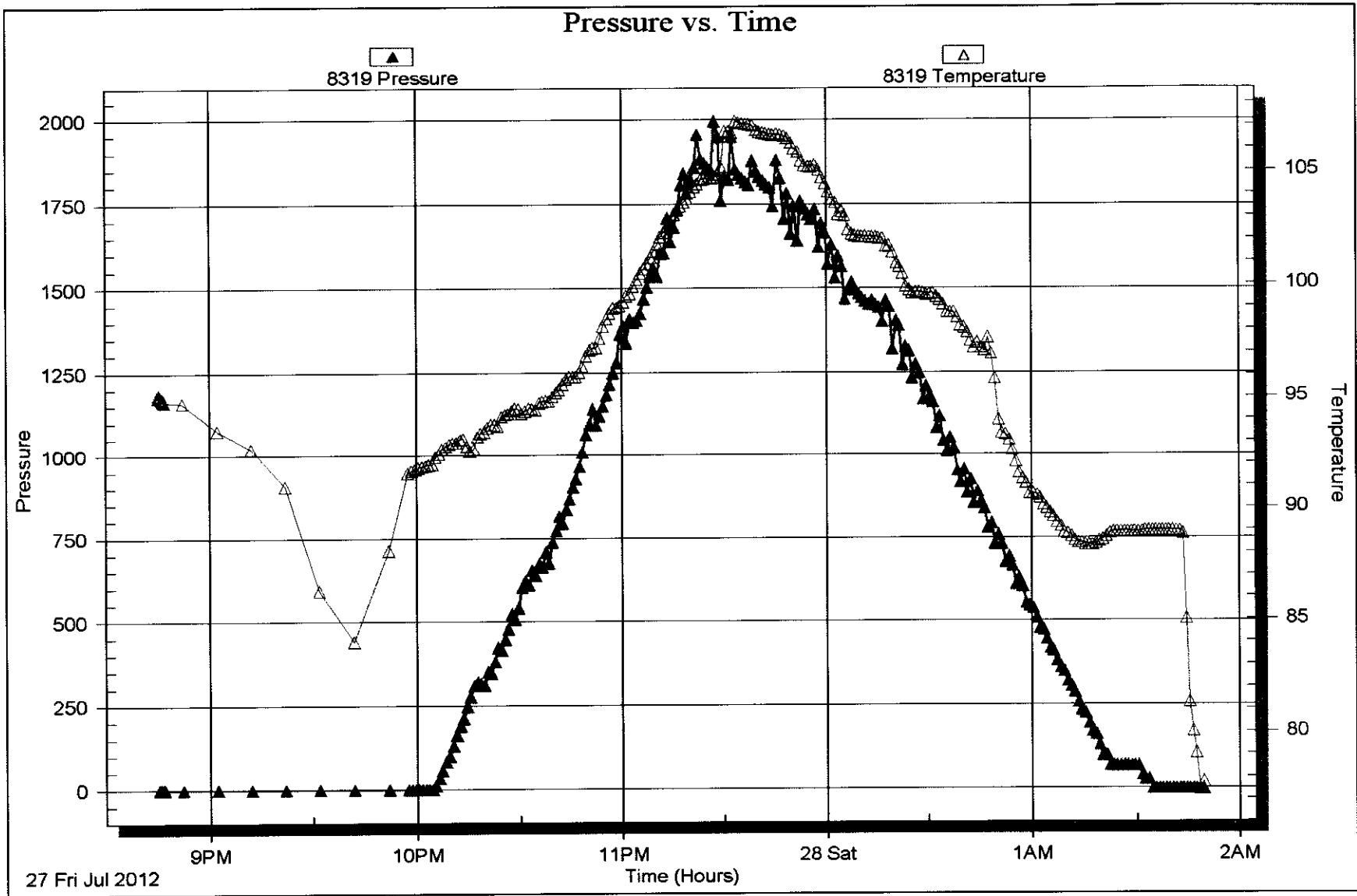
Recovery Information

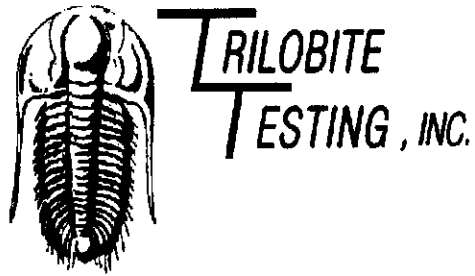
Recovery Table

Length ft	Description	Volume bbl
120.00	mud	1.683

Total Length: 120.00 ft Total Volume: 1.683 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: paker failure







DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum LLC**

2713 Ash St
Hays KS 67601

ATTN: Ed Glassman

Romine SW #5

19-10s-20w Rooks,KS

Start Date: 2012.07.28 @ 02:10:00

End Date: 2012.07.28 @ 08:59:30

Job Ticket #: 47082 DST #: 4

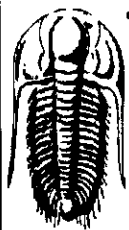
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.07.31 @ 11:38:41

Anchor Bay Petroleum LLC 19-10s-20w Rooks,KS Romine SW #5 DST # 4 Arbuckle 2012.07.28



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47082

DST#: 4

ATTN: Ed Glassman

Test Start: 2012.07.28 @ 02:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:03:30

Time Test Ended: 08:59:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3664.00 ft (KB) To 3784.00 ft (KB) (TVD)**

Reference Elevations: 2172.00 ft (KB)

Total Depth: 3784.00 ft (KB) (TVD)

2163.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8319

Outside

Press@RunDepth: psig @ 3665.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.28

End Date: 2012.07.28

Last Calib.: 2012.07.28

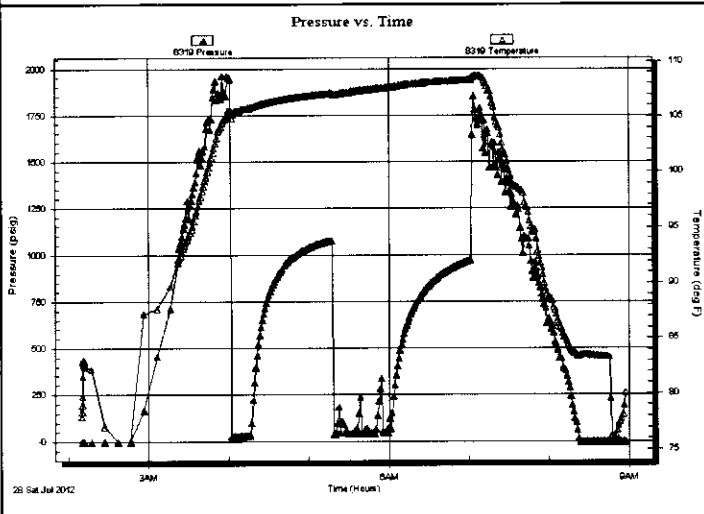
Start Time: 02:10:05

End Time: 08:57:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-2 1/4" blow
ISI-No blow
FF-1/4" blow
FSI-No blow



PRESSURE SUMMARY

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

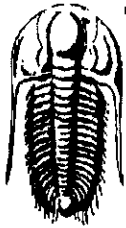
Recovery

Length (ft)	Description	Volume (bbl)
50.00	VSOCM 2%O 98%M	0.70

* 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

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47082

DST#: 4

ATTN: Ed Glassman

Test Start: 2012.07.28 @ 02:10:00

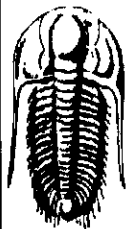
Tool Information

Drill Pipe:	Length: 3656.00 ft	Diameter: 3.80 inches	Volume: 51.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 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: 60000.00 lb
			<u>Total Volume: 51.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3664.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	141.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3644.00	
Shut In Tool	5.00			3649.00	
Hydraulic tool	5.00			3654.00	
Packer	5.00			3659.00	21.00 Bottom Of Top Packer
Packer	5.00			3664.00	
Stubb	1.00			3665.00	
Recorder	0.00	8369	Inside	3665.00	
Recorder	0.00	8319	Outside	3665.00	
Perforations	3.00			3668.00	
Change Over Sub	1.00			3669.00	
Drill Pipe	95.00			3764.00	
Change Over Sub	1.00			3765.00	
Perforations	16.00			3781.00	
Bullnose	3.00			3784.00	120.00 Bottom Packers & Anchor

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay Petroleum LLC

19-10s-20w Rooks,KS

2713 Ash St
Hays KS 67601

Romine SW #5

Job Ticket: 47082

DST#: 4

ATTN: Ed Glassman

Test Start: 2012.07.28 @ 02:10:00

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: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	VSOCM 2%O 98%M	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

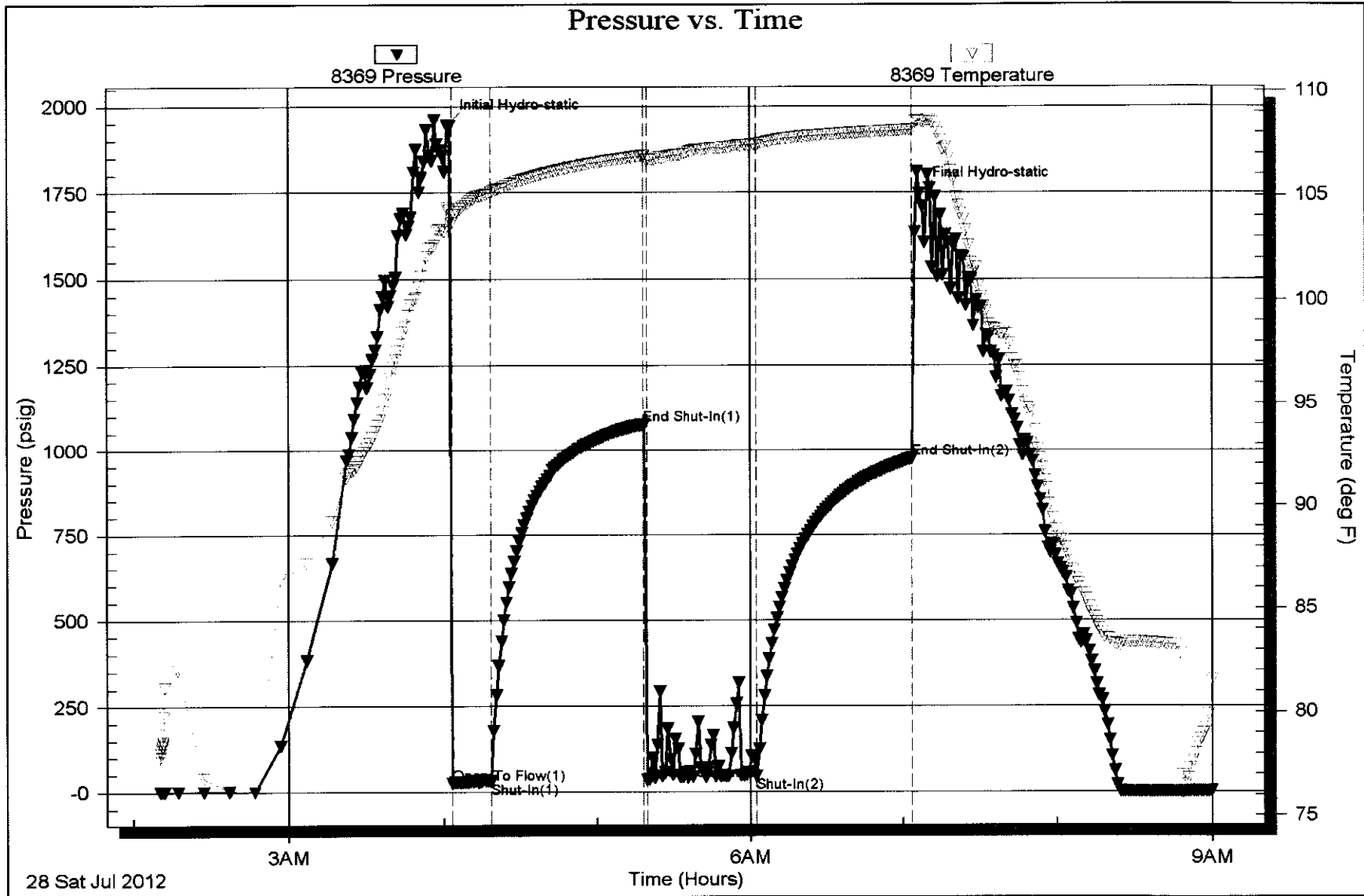
Num Gas Bombs: 0

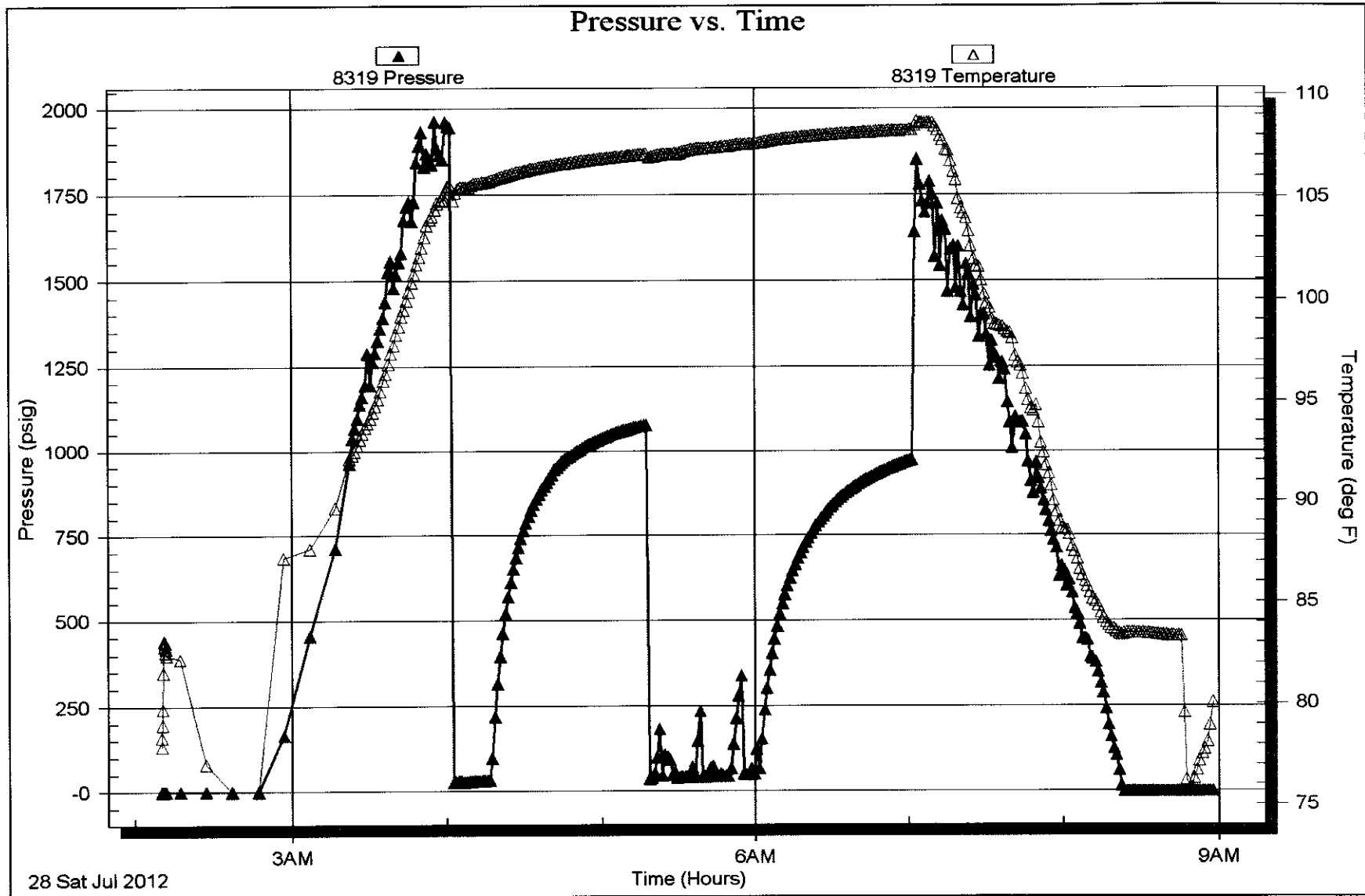
Serial #:

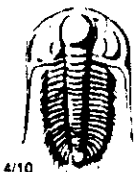
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47074

Well Name & No. Romine SW #5 Test No 1 Date 7/26/12
 Company Anchor Bay Petroleum LLC Elevation 2172 KB 2163 GL
 Address 2713 Ash ST Hays KS 67601
 Co. Rep / Geo. Ed Glassman Rig Integrity #7
 Location: Sec. 19 Twp. 10 Rge. 20 Co. Rocks State KS

Interval Tested 3591 - 3655 Zone Tested KC "H-K"
 Anchor Length 64 Drill Pipe Run 3595 Mud Wt 8.9
 Top Packer Depth 3586 Drill Collars Run _____ Vis 52
 Bottom Packer Depth 3591 Wt. Pipe Run _____ WL 8.8
 Total Depth 3655 Chlorides 4,000 ppm System LCM

Blow Description IF - 1 1/4 in blow
ISF - No blow
FF - No blow
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>vsocm</u>		<u>10</u>	<u>90</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 30 BHRT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1819 Test T-On Location 7:40
 (B) First Initial Flow 17 Jars T Started 8:25
 (C) First Final Flow 23 Safety Joint T Open 11:45
 (D) Initial Shut-In 1049 Core Sub T Pulled 14:00
 (E) Second Initial Flow 24 Hourly Standby T Out 16:15
 (F) Second Final Flow 29 Mileage 73rt 113.15 Comments _____
 (G) Final Shut-In 938 Sampler Ruined Shale Packer
 (H) Final Hydrostatic 1,729 Straddle Ruined Packer
 Shale Packer Extra Copies
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 30

Sub Total 1263.15
 Total 1263.15
 MP/DST Disc't _____

Approved By _____ Our Representative Bruce Davis

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. Tests lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47080

Well Name & No. <u>Romine SW #5</u>	Test No. <u>2</u>	Date <u>7/27/12</u>
Company <u>Anchor Bay Petroleum LLC</u>	Elevation <u>2172</u>	KB <u>2163</u> GL
Address <u>2713 Ash ST Hays KS 67601</u>		
Co. Rep / Geo. <u>Ed Glassman</u>	Rig <u>Integrity #7</u>	
Location: Sec. <u>19</u> Twp. <u>10</u> Rge. <u>20</u> Co. <u>Reeks</u> State <u>KS</u>		

Interval Tested <u>3664-3760</u>	Zone Tested <u>Ar buckle</u>	
Anchor Length <u>96</u>	Drill Pipe Run	Mud Wt. <u>8.9</u>
Top Packer Depth <u>3659</u>	Drill Collars Run <u>—</u>	Vis <u>5.2</u>
Bottom Packer Depth <u>3664</u>	Wt. Pipe Run <u>—</u>	WL <u>8.8</u>
Total Depth <u>3760</u>	Chlorides <u>4,000</u> ppm System	LCM

Blow Description IT - 3/4 in blow
ISF - No blow
IF - No blow
BSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</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 <u>5</u>	BHT <u>108</u>
(A) Initial Hydrostatic <u>1,915</u>	
(B) First Initial Flow <u>21</u>	
(C) First Final Flow <u>24</u>	
(D) Initial Shut-In <u>401</u>	
(E) Second Initial Flow <u>51</u>	
(F) Second Final Flow <u>23</u>	
(G) Final Shut-In <u>301</u>	
(H) Final Hydrostatic <u>1,781</u>	

Gravity	API RW	@	°F Chlorides	ppm
<input checked="" type="checkbox"/> Test				
<input type="checkbox"/> Jars			T-On Location <u>6:10</u>	
<input type="checkbox"/> Safety Joint			T-Started <u>8:25</u>	
<input type="checkbox"/> Circ Sub			T-Open <u>8:30</u>	
<input type="checkbox"/> Hourly Standby			T-Pulled <u>13:00</u>	
<input checked="" type="checkbox"/> Mileage <u>73.7</u> 113.15			T-Out	
<input type="checkbox"/> Sampler			Comments	
<input type="checkbox"/> Straddle			<input type="checkbox"/> Ruined Shale Packer	
<input type="checkbox"/> Shale Packer			<input type="checkbox"/> Ruined Packer	
<input type="checkbox"/> Extra Packer			<input type="checkbox"/> Extra Copies	
<input type="checkbox"/> Extra Recorder			Sub Total <u>0</u>	
<input type="checkbox"/> Day Standby			Total <u>1263.15</u>	
<input type="checkbox"/> Accessibility			MP/DST Disc't	
Sub Total <u>1263.15</u>				

Initial Open 15
 Initial Shut-In 60
 Final Flow 20
 Final Shut-In 60

Approved By _____ Our Representative Butt

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47081

Well Name & No. Romine SW #5 Test No 3 Date 7/27/12
 Company Anchor Bay Petroleum LLC Elevation 2172 KB 2163 GL
 Address 2713 Ash ST Hays KS 67601
 Co. Rep / Geo. Ed Glassman Rig Integrity #7
 Location: Sec. 19 Twp. 10 Rge 20 Co. Rooks State KS

Interval Tested 3758 - 3784 Zone Tested Arb
 Anchor Length 26 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3753 Drill Collars Run _____ Vis 32
 Bottom Packer Depth 3758 Wt. Pipe Run _____ WL 8.8
 Total Depth 3784 Chlorides 4,000 ppm System LCM
 Blow Description 2H - Packer failure
152 -

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Mud</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 120 BHT Gravity API RW @ °F Chlorides _____ ppm

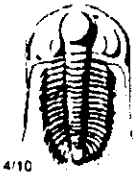
(A) Initial Hydrostatic Test 950 T-On Location 20:15
 (B) First Initial Flow Jars T-Started 20:45
 (C) First Final Flow Safety Joint T Open 23:20
 (D) Initial Shut-In Circ Sub T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby T-Out 1:50
 (F) Second Final Flow Mileage 73.7 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____

Sub Total 1063.15
 Total 1063.15
 MP/DST Disc't _____

Approved By _____ Our Representative Bevilacqua

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47082

Well Name & No.	Rominc SW #5	Test No.	4	Date	7/28/12
Company	Anchor bay Petroleum LLC	Elevation	2172	KB	2163
Address	2713 Ash ST Hays KS 67601				
Co. Rep / Geo.	Ed Glassman	Rig	Integrity #7		
Location: Sec.	19	Twp.	10	Rge.	20
		Co.	Rocks		State
					KS

Interval Tested	3664-3784	Zone Tested	Arb
Anchor Length	120	Drill Pipe Run	3656
Top Packer Depth	3659	Drill Collars Run	-
Bottom Packer Depth	3664	Wt. Pipe Run	-
Total Depth	3784	Chlorides	4,000 ppm System
Blow Description	2F - 2 1/4 in blow ISI - No blow FF - 1/4 in blow FFI - No blow		

Rec	Feet of	%gas	%oil	%water	%mud
50	vsocm		2		98
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	50	BHT	108	Gravity		API RW	@	F Chlorides	ppm
(A) Initial Hydrostatic	1,444	<input checked="" type="checkbox"/>	Test	T-On Location					
(B) First Initial Flow	25	<input type="checkbox"/>	Jars	T-Started	2:10				
(C) First Final Flow	31	<input type="checkbox"/>	Safety Joint	T-Open	3:53				
(D) Initial Shut In	1,077	<input type="checkbox"/>	Circ Sub	T-Pulled	6:53				
(E) Second Initial Flow	34	<input type="checkbox"/>	Hourly Standby	T-Out	8:58				
(F) Second Final Flow	46	<input checked="" type="checkbox"/>	Mileage	73 RT x 2	226.30				
(G) Final Shut-In	974	<input type="checkbox"/>	Sampler	Comments					
(H) Final Hydrostatic	1,746	<input type="checkbox"/>	Straddle	<input type="checkbox"/>	Ruined Shale Packer				
Initial Open	1	<input type="checkbox"/>	Shale Packer	<input type="checkbox"/>	Ruined Packer				
Initial Shut-In	60	<input type="checkbox"/>	Extra Packer	<input type="checkbox"/>	Extra Copies				
Final Flow	45	<input type="checkbox"/>	Extra Recorder	Sub Total	0				
Final Shut-In	60	<input type="checkbox"/>	Day Standby	Total	1376.30				
		<input type="checkbox"/>	Accessibility	MP/DST Disc't					
		Sub Total	1376.30						

Approved By _____ Our Representative Brian Dier

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. Tool lost or damaged in the hole shall be paid for at cost by the party for whom the test is made

QUALITY OILWELL CEMENTING, INC.

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

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

No. 763

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-29-12	19	10	20	Rooks	KS		10:15 AM

Lease	Well No.	Location
ROMTIVE	SW #5	Pulaski CR 200 Center

Contractor	Owner
Integrity	To Quality Oilwell Cementing, Inc.
Type Job	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	T.D.
7 7/8	3834
Csg.	Depth
5 1/2	3830
Tbg. Size	Depth
Tool	City
Port collar	State
Depth	
1705	
Cement Left in Csg.	Shoe Joint
42.25	43.25
Meas Line	Displace
	907-4134
	Cement Amount Ordered
	1800 lbs 10% salt

EQUIPMENT	
Pumptrk	No. Cementer/Helper
16	2
Bulktrk	No. Driver
	1
Bulktrk	No. Driver
14	1

JOB SERVICES & REMARKS	
Remarks:	
Rat Hole	
32516	
Mouse Hole	
Centralizers	
Baskets	
D/V or Port Collar	
5 1/2 size 3830 T.D. 3782.25	
Est. Circulation Pump, Slegal mix	
clean 100% Slegal mix plus Redhead	
Cement 5 1/2 with 15% salt. Clear lines	
D. Slegal mix, Play Jandrol	
1200# Act 14/100 Pressure 10/1	

FLOAT EQUIPMENT	
Guide Shoe	5 1/2
Centralizer	5
Baskets	2
AFU Inserts	Port collar
Float Shoe	1
Latch Down	1

Pumptrk Charge	
Mileage	

Tax	
Discount	
Total Charge	

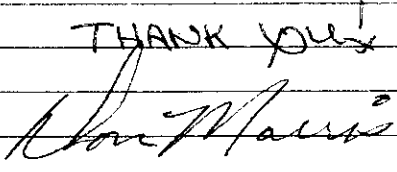
X Signature *[Signature]*

QUALITY OILWELL CEMENTING, INC.

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

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

No. 810

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-21-12	19	10	20	ROOKS	KANSAS		9:15pm
Lease <u>ROMTNE SW</u>		Well No. <u>#5</u>		Location <u>FALCO STOCERD - 3W - N/INTO</u>			
Contractor <u>INTEGRITY RIG #7</u>				Owner <u>ANCHOR BAY</u>			
Type Job <u>SURFACE</u>				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 <u>12 1/4'</u>		T.D. <u>214'</u>		Charge To <u>ANCHOR BAY</u>			
Csg. <u>8 5/8'</u>		Depth <u>216</u>		Street <u>2713 ADH ST.</u>			
Tbg. Size		Depth		City <u>HAYS</u> State <u>KS, 67601</u>			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint <u>15'</u>		Cement Amount Ordered <u>165 com 38" 2% GEL</u>			
Meas Line		Displace <u>133LS</u>					
EQUIPMENT							
Pumptrk # <u>15</u>	No.	Cementor	Common <u>105</u>				
Bulktrk # <u>13</u>	No.	Helper <u>LESCO</u>					
Bulktrk # <u>13</u>	No.	Driver <u>LONNIE</u>	Poz. Mix				
Bulktrk # <u>13</u>	No.	Driver <u>NICK</u>	Gel. <u>3</u>				
JOB SERVICES & REMARKS							
Remarks:				Calcium <u>✓</u>			
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLR 48			
				CFL-117 or CD110 CAF 38			
				Sand			
<u>CEMENT</u>				Handling <u>174</u>			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>42</u>			
				Tax			
				Discount			
				Total Charge			
THANK YOU!  X Signature							

QUALITY OILWELL CEMENTING, INC.

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

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

No. 835

Date	8-22-12	Sec.	19	Twp.	10	Range	20	County	ROOKS	State	KANSAS	On Location	Finish	2:00 pm	
Lease	DOMINE SW			Well No.	#5			Location							
Contractor	ULTIMATE WELL SERVICE							Owner	ANCHOR BAY						
Type Job	AEB SQUEEZE							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								T.D.	3784'						
Csg.	5 1/2"							Depth	Charge To ANCHOR BAY						
Tbg. Size	2 3/8"							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 150 com - USED 50 SKS						
EQUIPMENT															
Pumptrk #15	No.	Cement Helper	NECK			Common 50									
Bulktrk #8	No.	Driver	LOWRICE			Poz. Mix									
Bulktrk #16	No.	Driver	CISCO			Gel.									
JOB SERVICES & REMARKS															
Remarks:								Calcium							
Rat Hole								Hulls							
Mouse Hole								Salt							
Centralizers								Flowseal							
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
T.D. 3784								CFL-117 or CD110 CAF 38							
PACKER @ 3675								Sand							
TOP PERFS. 3759-3762								Handling 150							
BOTTOM PERFS. 3776-3780								Mileage							
T.V. 14.2								FLOAT EQUIPMENT							
C.V. 2.0								Guide Shoe							
DISP. 116.2								Centralizer							
LOADED BACKSIDE @ 1 BLS PRESSURED								Baskets							
TO 500 LBS, LOADED TUBING @ 6 BLS - ESTAB								AFU Inserts							
BLISHED RATE @ 2 1/2 BLS PER MIN. MIKED								Float Shoe							
50 SKS - DISPLACED + WASHED PUMP								Latch Down							
STAGED 1 1/2 HR PRESSURED TO 2000 LBS															
SQUEEZE HOLD - PULLED 4 JOINTS -								Pumptrk Charge							
REVERSED OUT - PRESSURED UP TO 600 LBS								Mileage							
SHUT IN.															
THANK YOU.															
X Signature															
												Tax			
												Discount			
												Total Charge			

ALLIED OIL & GAS SERVICES, LLC

056199

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE <u>8-27-12</u>	SEC. <u>19</u>	TWP. <u>10</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Romine</u>	WELL # <u>5</u>	LOCATION <u>Pake 3rd 12d</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)				<u>2nd Night</u>			

CONTRACTOR W
 TYPE OF JOB SRV
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL 60 DEPTH 3675
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. 3766-3770
 DISPLACEMENT _____

OWNER _____
 CEMENT AMOUNT ORDERED 10000 LBS
7 lb 2700 on side
 COMMON 75 @ 16.25 1,218.75
 POZMIX @ _____
 GEL @ _____
 CHLORIDE @ _____
 ASC @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Yard
 # 417 HELPER Wardy
 BULK TRUCK _____
 # 410 DRIVER Kevin
 BULK TRUCK _____
 # _____ DRIVER _____

HANDLING 104.84 @ 2.10 220.16
 MILEAGE 176.86 @ 2.35 413.75
 TOTAL 1540.29

REMARKS:

Set Anchor @ 3675, loaded back side
24 bbl to 5000, injecting rate
3 bbl @ 1000# mixed 75% cement
washed lines clean, displaced 15.25 bbl
to 2000#. Hold 45min, wash clean shot
very 2000#. Drilled 600#. Pressure
vt 3000 shot in.
Thank!

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 1070.00
 EXTRA FOOTAGE @ _____
 MILEAGE MHW 35 @ 7.00 245.00
 MANIFOLD @ _____
MHW 35 @ 4.00 140.00
 TOTAL 1435.00

CHARGE TO: Anchor bay
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

@ _____
 @ _____
 @ _____
 @ _____
 @ _____

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment

655	605	25
125	170	18½

1	3591 - 3655	23/ 30	1049/ 45	29/ 30	938/ 30	1819 - 1729	30' slight oil cut m 10% oil 90% mud
2	3664 - 3760	24/ 15	401/ 60	23/ 15	301/ 60	1915 - 1781	5' Mud
3	3758 - 3784	—	—	—	—	—	MISRUN PACKURE FAILURE
4	3664 - 3784	31/ 15	1077/ 60	46/ 45	974/ 60	1944 - 1746	50' V slight oil cut mud 2% oil 98% mud

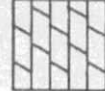
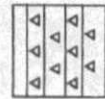
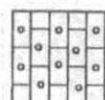
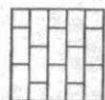



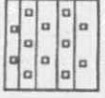
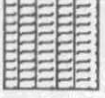
LOG ANALYSIS
SW

REMARKS AND RECOMMENDATIONS *Based on all date it was
decided to further test Arbuckle
throug casing*

W. J. ...

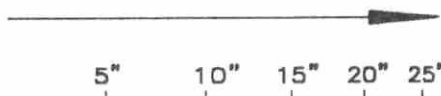
HAPG #5741

LEGEND

-  Dolomite
-  Chert
-  Ool. Lime
-  Limestone
-  Carb sh
-  Shale
-  Sandstone
-  Salt
-  Anhydrite

DRILLING TIME IN MINUTES

DRILLING TIME IN MINUTES
PER FOOT
Rate of Penetration Decreases



LOG 7710

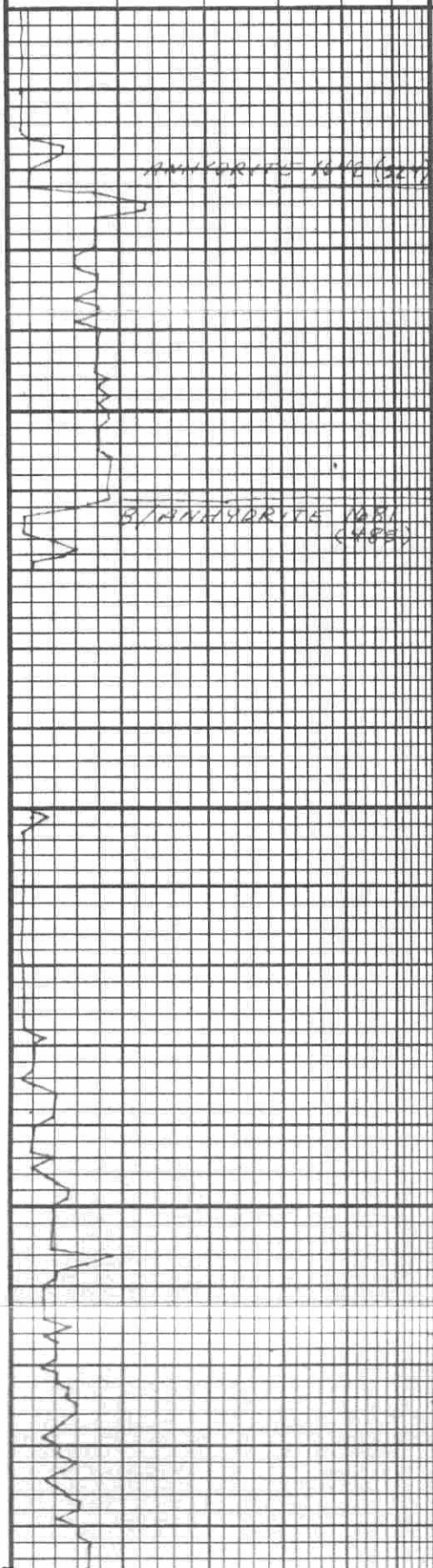
DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS



1630
40
C 1650
60
70
C 80
90
C 3000
10
20
30
C 40
50
60
C 70
80
90

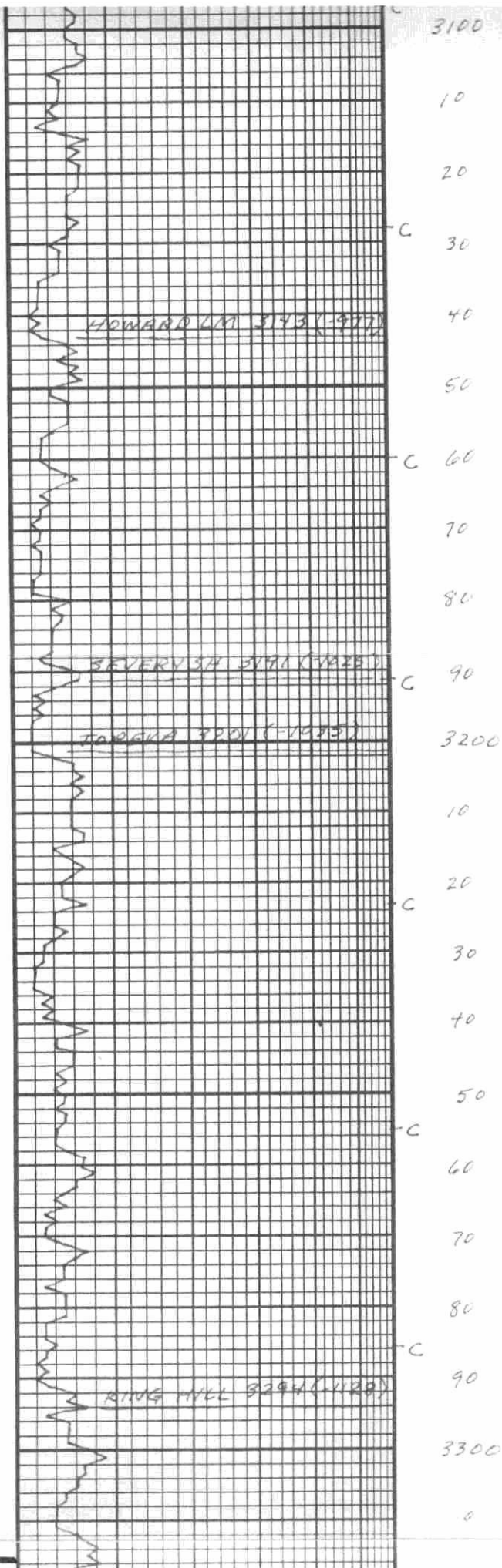
LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

DISPLACE
@ 3050
CHANGE BIT.
PDC to B



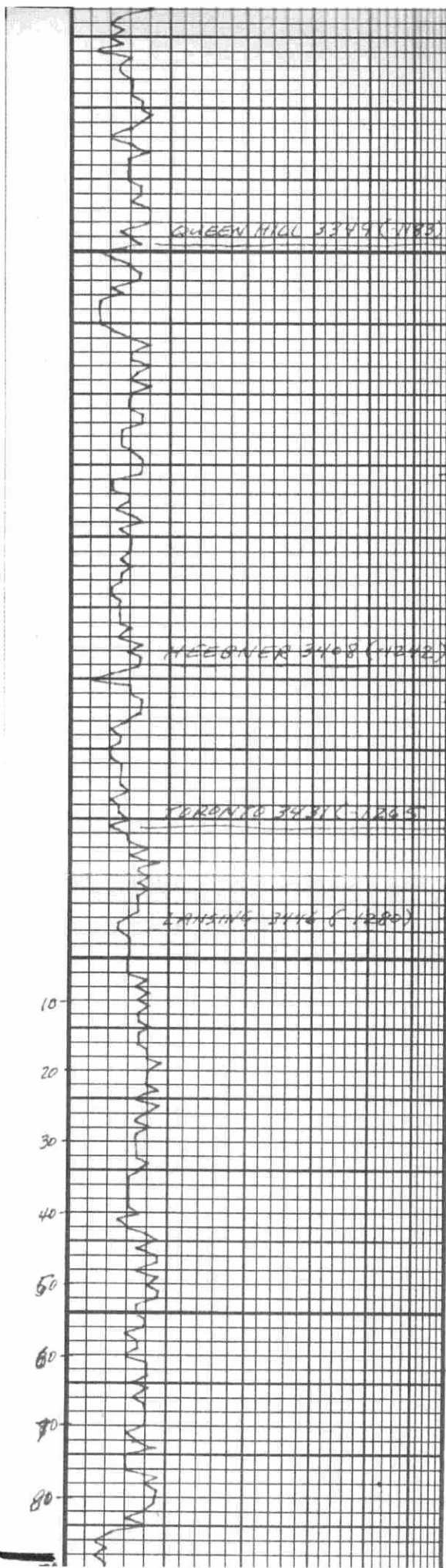
3100	SH: gry, med, blk
10	LS: tan-lt gry, f-med xln, fos, inter xln-frag Ø, NS
20	SH: gry, med, blk
30	SH: mostly var. clrd
40	HOWARD LCM 3143 (-977)
50	LS: lt tan-grn, sme lt gry f-med xln, inter xln Ø, NS
60	SH: med, var. pty, sme blu-grn, sme f-frag xlns.
70	CONG: SH-gry-drk gry, f-med, dark, heavy shaly, sil, strong odor. SS: clv, lt gry, well sort f-grn, poor cons, VSSF, sme C-grns, drk str.
80	SH: gry, med, pty-blk.
90	BEVERLY SH 3191 (-1925)
3200	TARBEKA 3201 (-1975)
10	LS: tan, lt gry, f-med xln, inter xln-frag Ø, fos, NS
20	LS: SAB
30	SH: gry
40	LS: tan, f-med xln, inter xln Ø, sl. chky, VSSF, VSO, lt even str.
50	SH: gry, med, pty-blk.
60	LS: lt gry, f-med xln, inter xln Ø, fos, NS.
70	SH: gry, med, pty.
80	LS: lt gry, motld, fos, inter xln-frag Ø, NS
90	LS: tan-lt gry, f-med xln, inter xln Ø, NS.
3300	RING HILL 3294 (-1929)
	SH: blk, carb
	SH: gry, sme var. clrd, med, pty-blk.
	LS: tan, f-med xln, inter xln Ø, NS

VIS 53
WT 8.6

VIS 50
WT 8.7

VIS 52
WE 8.9
FIL 8.8
CL 4000
pH 10.0
LCM Nil

VIS 49
WT 8.8



20	LS: SAB.
30	SH: gry
40	
50	SH: blk, carb SH: gry
60	LS: tan - lt brn, f-med xln, ool, inter xln-ool of NS
70	LS: tan, f-med xln, inter xln of F5FO, VSD, lt spty str.
80	LS: tan, f-med xln, inter xln of, NS.
90	SH: gry, f, spty.
3400	
10	SH: blk, carb, blk.
20	SH: lt gry - lt blu-grn, f, med, spty.
30	
40	LS: wt - lt tan, f-med xln, chky, inter xln of, NS.
50	LS: tan, f-med xln, sli ool, chky, inter xln- ool of, NS.
60	LS: tan, f-med xln, inter xln of, NS.
70	LS: tan, f-med xln, inter xln of, NS.
80	SH: gry
90	LS: wt - lt tan, f-med xln, ool inter xln-ool of, F5FO, VSD, lt drk spty str.
3500	SH: gry
10	LS: wt - lt tan f-med xln, inter xln of, F5FO, VSD, drk sctrd-spty str.
20	SH: gry
30	LS: tan - lt brn, f-med xln, fos inter xln - frao

WT 8.8

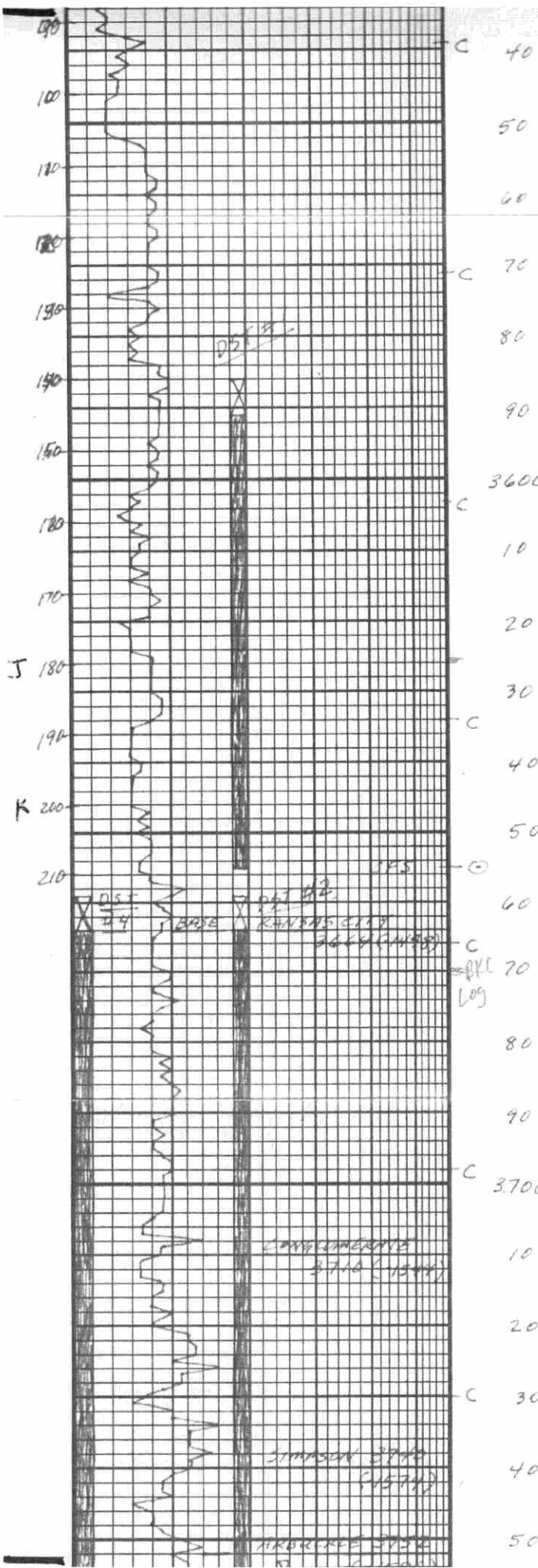
VIS 49
WT 8.8

VIS 49
WT 8.8

VIS 49
WT 8.9

VIS 9.0
WT 52

VIS 53
WT 9.0
PP 750
SPM 55

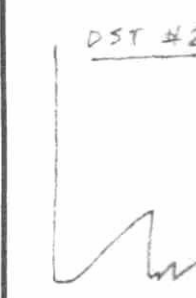


40	XLN: fgs, inter xln - frag LS: FSFO, Gd odor, It even str.
50	
60	LS: tan, f-med xln, inter xln Ø, NS.
70	
80	SH: blk, carb SH: gry, med, blk.
90	LS: wt - lt tan, f-med xln, chrtg, inter xln Ø, SSFO, VSO, It spty str.
3600	SH: gry, med, blk, sme Fctt
10	LS: tan, sme wt, f-med xln, ool, inter xln-ool Ø FSFO, VSO, It spty str.
20	SH: gry, med, pty.
30	LS: wt - lt tan, med xln ool, inter xln-ool Ø, FSFO, sl. odor, It spty str.
40	SH: blk, carb.
50	LS: wt - lt tan, f-med xln, inter xln Ø, chrtg, sme Fctt flks, SSFO, sme hvy oil, VSO, drk spty str.
60	
70	SH: gry, med, pty-blk.
80	
90	LS: tan, f-med xln, inter xln Ø chrtg, NS.
3700	SH: gry, sme vari clrd pty-blk.
10	LS: lt tan, f-med xln, sudy, sme setrd clstrs, inter xln-grn Ø, NS.
20	CONG: LS: wt - lt tan, sme grns, yel chrtg, SS: clr, f-grn, subang CHT: vari clrd, sme dead oil flks, glauc, SH: gry - drk to gry.
30	
40	
50	SS: clr, C-grn, med sort, sub and, fri, VSSFO, sme hvy oil, Fr odor SH: blk, gry, Fctt flks

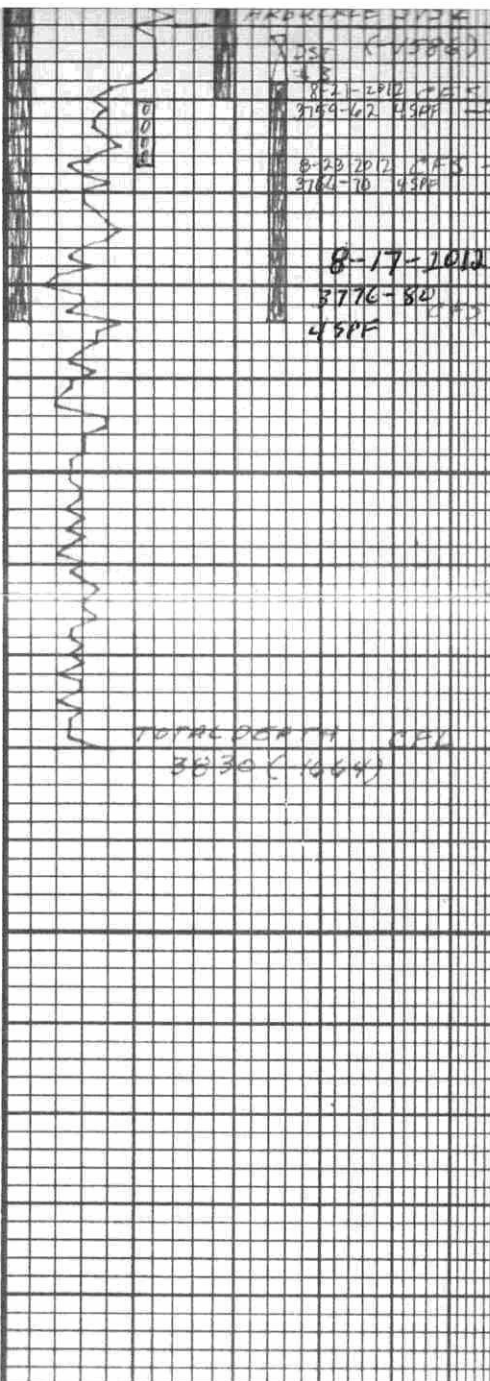


DST #1
3591 - 3600
30-45 -
IF: 1 1/4"
ISI: No 6
FF: No 6
FSI: No 6
SIP: 1049
FP: 23 -
RECOVERY
30' slight
cut
107%
90%

VIS 50
WT 9.2
FIL 9.6
CL 5000
PH 9.5
LCM N:1



DST #2
3664 - 3760
15-60-15 -
IF: WEAK
ISI: No 6 lo
FF: No 6 lo
ECT: No 4 lo



60
 1000ft
 8-22-2012
 50 E 90SYS
 8-21-2012
 8-25-12
 8-2000ft
 90
 3800
 10
 20
 30
 TOTAL DEPTH 3830 (1364)

	DOL: tan-lt brn, f. xln, suc inter xln @.51. sect'd vugs, GSF, strong odor. lt even str.
	8-29-2012 3760-61 1/2, 45PF DOL: tan-lt brn, f. med xln, suc, sme rhombic xls, slight vuggy, GSF, strong odor, lt dark even str.
	5H: lt blk grn subvry, alt. H.
	DOL: tan-lt brn, f. med xln, vuggy lp. inter xln @. GSF, strong odor, lt. dark even-sptys str.
	DOL: tan-lt brn, f. med xln, vugif, rhombic, inter xln-vuggy, GSF, strong odor, lt. dark sect'd str.
	DOL: wt-lt tan, f. med xln, inter xln @. GSF, odor, sect'd lt. dark str.

FF: No 6104
 FSI: No 6104
 SIP: 401-30
 FP: 24-23
 RECOVERY:
 VIS 57
 WE 9.2
 FIL 8.8
 CL 8000
 PH 9.5
 LCM 1 1/2#
 DST #3
 3758-378
 MIS RUN
 DST #4
 3664-378
 15-60-45-:
 IF: 2 1/4" 6"
 ISD: No 61
 FF: 1/4" 61
 FSI: No 61
 SIP: 1077-
 FP: 31-46
 RECOVERY:
 270
 9870
 DST #

DRILLING TIME Minutes/Foot	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARK
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CONTRACTOR INTEGRITY DRILLING
 LEASE Romine SW IP _____
 ELEVATION KB 2166 RTD 3830

LOCATION 1705' FSL & 4651' FEL
 SEC 19 TWP 10S RNG 20
 COUNTY ROOKS STATE KANSA.

Rate of Penetration Decreases