

RECEIVED
SEP 24 2010

ORIGINAL
Form ACO-1
June 2009

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

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

9/23/12

CONFIDENTIAL

OPERATOR: License # 9855
Name: Grand Mesa Operating Company
Address 1: 1700 N. Waterfront Pkwy, Bldg 600
Address 2: _____
City: Wichita State: KS Zip: 67206 + 5 5 1 4
Contact Person: Ronald N. Sinclair
Phone: (316) 265-3000
CONTRACTOR: License # 30606
Name: Murfin Drilling Company, Inc.
Wellsite Geologist: Wesley D. Hansen
Purchaser: NCRA

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
07/10/2010	07/20/2010	08/26/2010

API No. 15 - 109-20921-00-00
Spot Description: 480' FSL & 2010' FEL
NE SW SE Sec. 26 Twp. 12 S. R. 32 East West
480 Feet from North / South Line of Section
2,010 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Logan
Lease Name: G. Andersen Well #: 1-26
Field Name: Wildcat
Producing Formation: Johnson Zone
Elevation: Ground: 2992' Kelly Bushing: 2997'
Total Depth: 4730' Plug Back Total Depth: 4700'
Amount of Surface Pipe Set and Cemented at: 5 jts. @ 221 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 2536 Feet
If Alternate II completion, cement circulated from: 2536'
feet depth to: Surface w/ 270 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 7,700 ppm Fluid volume: 660 bbls
Dewatering method used: Evaporate, backfill & level location.
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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, 82-3-108 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 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: Ronald N. Sinclair RONALD N. SINCLAIR
Title: President Date: September 23, 2010

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 9/23/10 - 9/23/12
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 10/11/10

Operator Name: Grand Mesa Operating Company Lease Name: G. Andersen Well #: 1-26
 Sec. 26 Twp. 12 S. R. 32 East West County: Logan

CONFIDENTIAL

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CPDCN Micro Res. Log; CSw/Int. Transit Times; AI Shallow Focussed Elect Log; Dual Rec. Cmt Bnd Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Bs/Stone Corral</td> <td>2528</td> <td>+ 469</td> </tr> <tr> <td>Heebner</td> <td>3971</td> <td>- 974</td> </tr> <tr> <td>Lansing</td> <td>4010</td> <td>-1013</td> </tr> <tr> <td>Stark</td> <td>4241</td> <td>-1244</td> </tr> <tr> <td>Upper Ft Scott</td> <td>4448</td> <td>-1451</td> </tr> <tr> <td>Little Osage</td> <td>4470</td> <td>-1473</td> </tr> <tr> <td>Morrow</td> <td>4594</td> <td>-1597</td> </tr> <tr> <td>Mississippian</td> <td>4610</td> <td>-1613</td> </tr> <tr> <td>LTD</td> <td>4729</td> <td></td> </tr> </table>	Name	Top	Datum	Bs/Stone Corral	2528	+ 469	Heebner	3971	- 974	Lansing	4010	-1013	Stark	4241	-1244	Upper Ft Scott	4448	-1451	Little Osage	4470	-1473	Morrow	4594	-1597	Mississippian	4610	-1613	LTD	4729	
Name	Top	Datum																													
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LTD	4729																														

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 1/4"	8 5/8"	23#	221	Common	165	3% CC; 2% Gel
Production	7 7/8"	5 1/2"	15.5#	4720	EA-2	175	

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 <input checked="" type="checkbox"/> Protect fresh water	0-2536	SMD	270	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4571-4576'		
		RECEIVED SEP 24 2010	

TUBING RECORD:	Size: 2 7/8"	Set At: 4680'	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. August 26, 2010		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. 140	Gas Mcf	Water Bbls. -0-	Gas-Oil Ratio 28.4

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)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 4571-4576'
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ALLIED CEMENTING CO., LLC. 038944

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

SERVICE POINT:

DATE 7-10-10	SEC. 26	TWP. 12	RANGE 32	CALLED OUT	ON LOCATION 1:00pm	JOB START 11:00am	JOB FINISH 11:30am
LEASE G. Anderson		WELL # 1-26		LOCATION Oakley 12s-1e-N14		COUNTY Hogan	STATE KS
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MUR #24

TYPE OF JOB Surface

HOLE SIZE 12"4 T.D. 221'

CASING SIZE 8 5/8 DEPTH 221'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13.1 BBLs

OWNER _____

CEMENT

AMOUNT ORDERED 165 com 390cc

290 gal

COMMON	<u>165</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.99</u>	<u>62.97</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	

EQUIPMENT

PUMP TRUCK CEMENTER Fuzz4

431 HELPER Kelly

BULK TRUCK

394 DRIVER Darrin

BULK TRUCK

_____ DRIVER _____

RECEIVED

SEP 24 2010

KCC WICHITA

HANDLING	<u>174</u>	@ <u>2.45</u>	<u>417.60</u>
MILEAGE	<u>104.9 km</u>		<u>812.00</u>
	<u>minimum</u>		
TOTAL			<u>3690.45</u>

REMARKS:

cement did circulate

Approx 6 BBLs

Job complete @ 10:45pm

Thanks Fuzz4 crew

SERVICE

DEPTH OF JOB	<u>221</u>		
PUMP TRUCK CHARGE			<u>1018.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>13</u>	@ <u>7.00</u>	<u>91.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL			<u>1209.00</u>

CHARGE TO: Grand Mega

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		_____

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Anthony Martin

SIGNATURE Anthony Martin

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

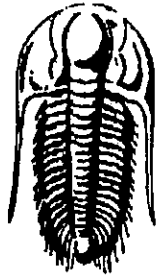
DATE 7-20-10 PAGE NO.

CUSTOMER Grand Mesa WELL NO. 1-26 LEASE G. Anderson JOB TYPE Cement Two-Stage TICKET NO. 18724

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							On Location 5 1/2 15.5# Cent. 2, 4, 6, 8, 10, 12, 14, 16, 18 TD-4730' 51 TP-4725' Bsect. 2, 52 PS-4720' D.V. Tool #52 2536' ST-20'
	2115							Start 5 1/2 Casing
	2315							Break Circulation
	2345	6 3/4	32	✓			200	Pump 500 gal Mud Flush + 2066l KCL Flush
	2350	4 1/2		✓			200	Start Cement 175 sks @ 15.5 pps
			42					- Shut Down - Release Plug - Wash Pump Lines
	0015	6 3/4		✓			200	Start Displacement
		6 3/4	82				300	Lift Cement
							850	Max Lift
	0030		111.9				1500	Land Plug - Release - Held
								Drop Bomb Let Fall
								Wash Truck
	0045						1250	Open D.V. Good Circulation
								Circulate
	0230	6 3/4	20	✓			200	Pump 2066l KCL Flush
	0235	3	7	✓				Plug Rat Hole 30 sks
	0240	6 1/2		✓			200	Start Cement 270 sks @ 11.2 pps
			150					- Shut Down - Release Plug
	0310	6 3/4		✓			200	Start Displacement
		6 3/4	33	✓			500	Cement to Surface
								50 sks top it
	0320		60.3				1750	Land Plug - Close D.V. Tool
								Release - Held
								Wash Truck
	0400							Job Complete
								Thank you
								Brett, Dave, Lance & John

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KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

G. Andersen #1-26

Start Date: 2010.07.14 @ 01:27:12

End Date: 2010.07.14 @ 14:40:35

Job Ticket #: 38336 DST #: 1

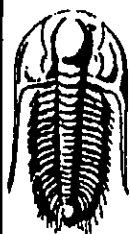
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SEP 24 2010

KCC WICHITA

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38336 DST#: 1

Test Start: 2010.07.14 @ 01:27:12

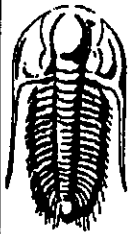
Tool Information

Drill Pipe:	Length: 3865.00 ft	Diameter: 3.80 inches	Volume: 54.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3992.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 8' to bottom before opening

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3970.00	
Hydraulic tool	5.00			3975.00	
Jars	5.00			3980.00	
Safety Joint	2.00			3982.00	
Packer	5.00			3987.00	27.00 Bottom Of Top Packer
Packer	5.00			3992.00	
Stubb	1.00			3993.00	
Recorder	0.00	8366	Inside	3993.00	
Recorder	0.00	8320	Inside	3993.00	
Perforations	32.00			4025.00	
Bullnose	3.00			4028.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS
Job Ticket: 38336 DST#: 1
Test Start: 2010.07.14 @ 01:27:12

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:	32000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

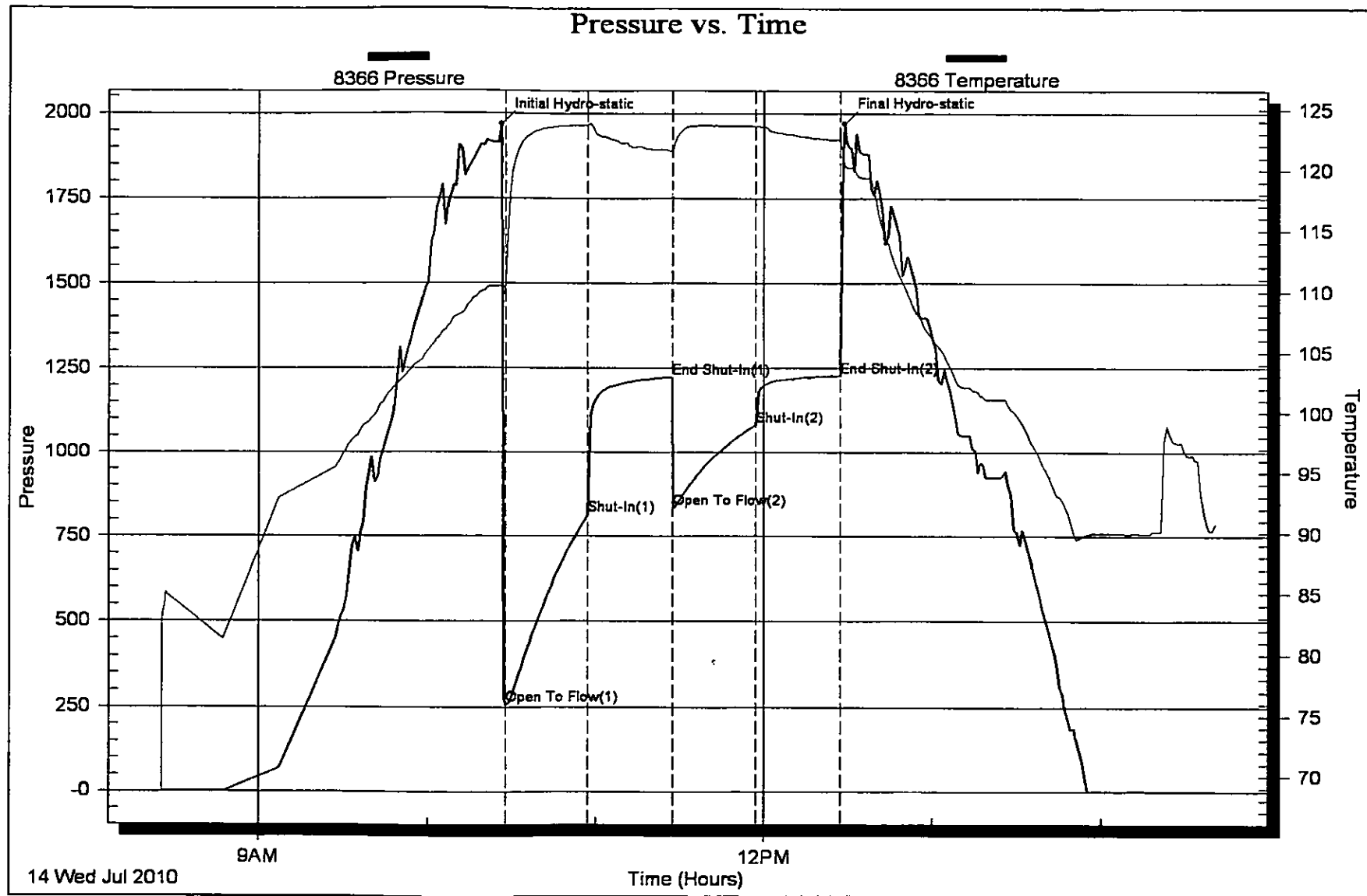
Length ft	Description	Volume bbl
120.00	SMCW 97%w, 3%m	0.590
1940.00	Dropped Bar - Fluid out circ. sub	27.213
225.00	MCW w/trace oil 61%w, 39%m	3.156
0.00	RW = .150 ohms @ 106 deg F	0.000
0.00	Chlorides = 32,000 ppm	0.000

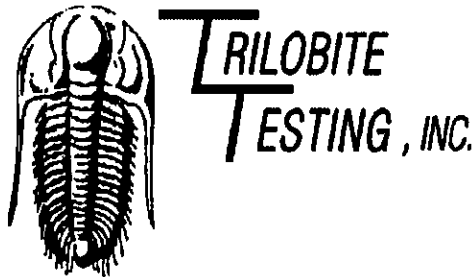
Total Length: 2285.00 ft Total Volume: 30.959 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

G. Andersen #1-26

Start Date: 2010.07.14 @ 23:27:00

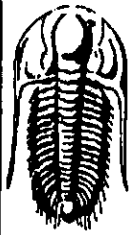
End Date: 2010.07.15 @ 07:10:30

Job Ticket #: 38337 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

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38337

DST#: 2

Test Start: 2010.07.14 @ 23:27:00

GENERAL INFORMATION:

Formation: **Lans. "D"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 01:16:30

Time Test Ended: 07:10:30

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **4049.00 ft (KB) To 4068.00 ft (KB) (TVD)**

Total Depth: **4068.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2997.00 ft (KB)**

2992.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8366**

Inside

Press@RunDepth: **674.14 psig @ 4050.00 ft (KB)**

Start Date: **2010.07.14**

End Date:

2010.07.15

Capacity: **8000.00 psig**

Last Calib.:

2010.07.15

Start Time: **23:27:05**

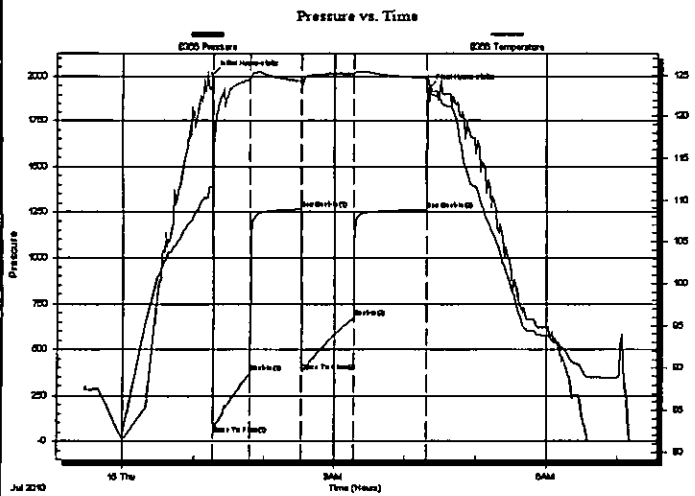
End Time:

07:10:29

Time On Btm: **2010.07.15 @ 01:15:30**

Time Off Btm: **2010.07.15 @ 04:20:00**

TEST COMMENT: IF: Blow built to BOB in 4 1/4 min.
IS: Bled off, No blow back
FF: Blow built to BOB in 6 min.
FS: Bled off, No blow back



PRESSURE SUMMARY

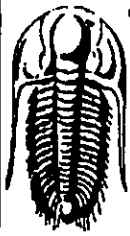
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.62	111.61	Initial Hydro-static
1	41.13	110.86	Open To Flow (1)
33	373.22	124.49	Shut-In(1)
76	1267.03	124.25	End Shut-In(1)
77	379.41	123.89	Open To Flow (2)
121	674.14	125.12	Shut-In(2)
183	1263.81	124.62	End Shut-In(2)
185	1933.73	124.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SMCW w/trace oil 95%w, 5%m	0.59
1190.00	Dropped Bar - Fluid out Circ. Sub	16.69
60.00	MCW w/trace oil 79%w, 21%m	0.84
45.00	SO/MCW 76%w, 23%m, 1%o	0.63
0.00	GP = 15'	0.00
0.00	RW = .235 ohms @ 72.1 deg F	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38337

DST#: 2

Test Start: 2010.07.14 @ 23:27:00

Tool Information

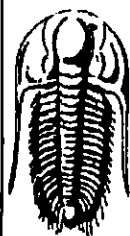
Drill Pipe:	Length: 3928.00 ft	Diameter: 3.80 inches	Volume: 55.10 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 55.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4049.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4027.00	
Hydraulic tool	5.00			4032.00	
Jars	5.00			4037.00	
Safety Joint	2.00			4039.00	
Packer	5.00			4044.00	27.00 Bottom Of Top Packer
Packer	5.00			4049.00	
Stubb	1.00			4050.00	
Recorder	0.00	8366	Inside	4050.00	
Recorder	0.00	8320	Inside	4050.00	
Perforations	15.00			4065.00	
Bullnose	3.00			4068.00	19.00 Bottom Packers & Anchor

Total Tool Length: 46.00



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Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS
Job Ticket: 38337 DST#: 2
Test Start: 2010.07.14 @ 23:27:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 6.34 in³
Resistivity: ohm.m
Salinity: 1500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 29000 ppm

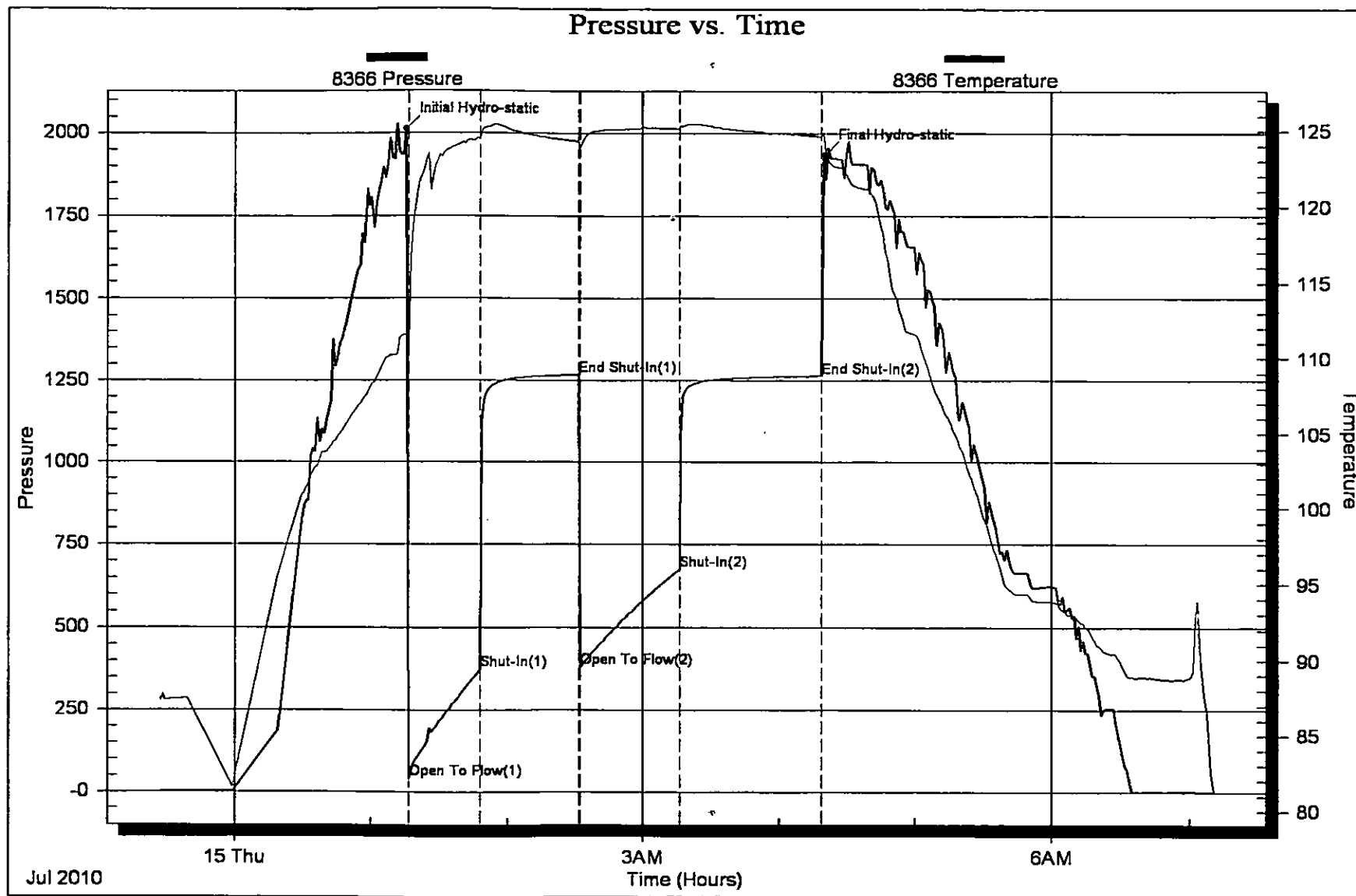
Recovery Information

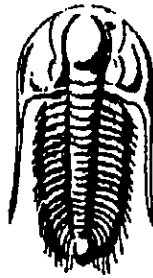
Recovery Table

Length ft	Description	Volume bbl
120.00	SMCW w /trace oil 95%w , 5%m	0.590
1190.00	Dropped Bar - Fluid out Circ. Sub	16.693
60.00	MCW w /trace oil 79%w , 21%m	0.842
45.00	SO/MCW 76%w , 23%m, 1%o	0.631
0.00	GIP = 15'	0.000
0.00	RW = .235 ohms @ 72.1 deg F	0.000
0.00	Chlorides = 29,000 ppm	0.000

Total Length: 1415.00 ft Total Volume: 18.756 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

G. Andersen #1-26

Start Date: 2010.07.15 @ 15:20:00

End Date: 2010.07.16 @ 00:00:00

Job Ticket #: 38338 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Grand Mesa Operating Co.

G. Andersen #1-26

26 12s 32w Logan KS

DST # 3

Lans. "E-F"

2010.07.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38338 DST#: 3

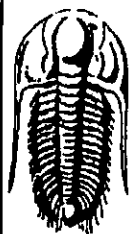
Test Start: 2010.07.15 @ 15:20:00

Tool Information

Drill Pipe:	Length: 3957.00 ft	Diameter: 3.80 inches	Volume: 55.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4072.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4050.00	
Hydraulic tool	5.00			4055.00	
Jars	5.00			4060.00	
Safety Joint	2.00			4062.00	
Packer	5.00			4067.00	27.00 Bottom Of Top Packer
Packer	5.00			4072.00	
Stubb	1.00			4073.00	
Recorder	0.00	8366	Inside	4073.00	
Recorder	0.00	8320	Inside	4073.00	
Perforations	24.00			4097.00	
Bullnose	3.00			4100.00	28.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38338 DST#: 3

Test Start: 2010.07.15 @ 15:20:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 7.15 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 28000 ppm

Recovery Information

Recovery Table

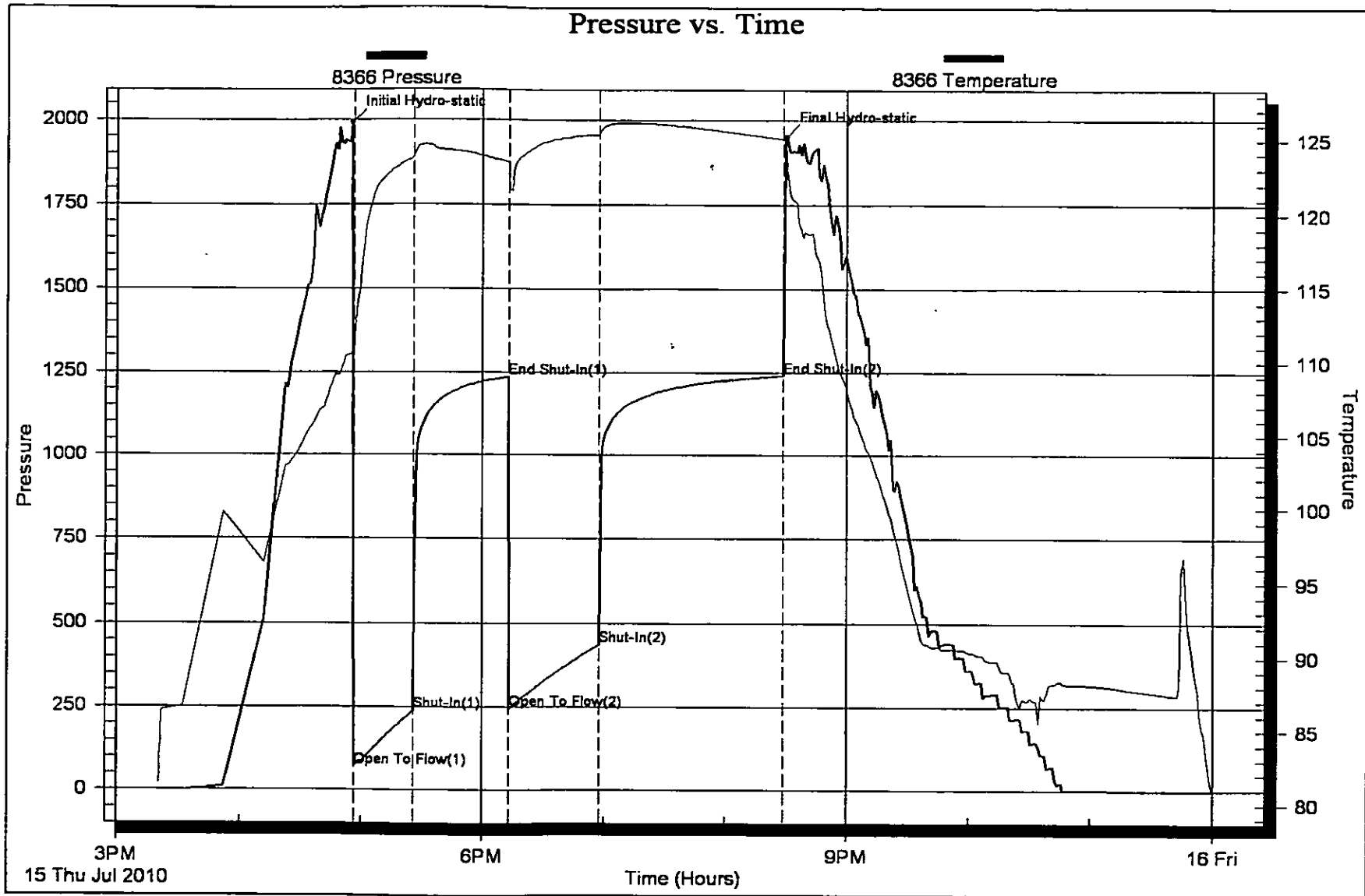
Length ft	Description	Volume bbl
120.00	GWMO 36%o, 30%m, 23%w, 11%g	0.590
75.00	GWMCO 50%o, 30%g, 13%m, 7%w	1.052
970.00	CGO 58%o, 39%g, 3%m	13.607
0.00	GP = 880'	0.000
0.00	Corrected Gravity = 37.4 api	0.000
0.00	Chlorides = 28,000 ppm	0.000

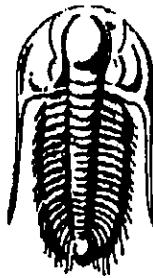
Total Length: 1165.00 ft Total Volume: 15.249 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 39 api @ 76 deg F
Corrected Gravity = 37.4 api





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

G. Andersen #1-26

Start Date: 2010.07.16 @ 17:18:00

End Date: 2010.07.16 @ 23:12:00

Job Ticket #: 38839 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Grand Mesa Operating Co.

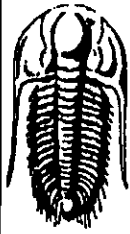
G. Andersen #1-26

26 12s 32w Logan KS

DST # 4

Lans. "H - I"

2010.07.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38839

DST#: 4

Test Start: 2010.07.16 @ 17:18:00

Tool Information

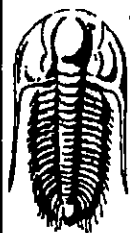
Drill Pipe:	Length: 4021.00 ft	Diameter: 3.80 inches	Volume: 56.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 56.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4144.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4122.00	
Hydraulic tool	5.00			4127.00	
Jars	5.00			4132.00	
Safety Joint	2.00			4134.00	
Packer	5.00			4139.00	27.00 Bottom Of Top Packer
Packer	5.00			4144.00	
Stubb	1.00			4145.00	
Recorder	0.00	8366	inside	4145.00	
Recorder	0.00	8320	inside	4145.00	
Perforations	24.00			4169.00	
Blank Spacing	33.00			4202.00	
Perforations	5.00			4207.00	
Bullnose	3.00			4210.00	66.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38839

DST#: 4

Test Start: 2010.07.16 @ 17:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.96 in³

Resistivity: ohm.m

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 29000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 59%w, 41%m	0.590
20.00	Mud w/trace oil 100%m	0.281
0.00	RW = .206 ohms @ 81 deg F	0.000
0.00	Chlorides = 29,000 ppm	0.000

Total Length: 140.00 ft Total Volume: 0.871 bbl

Num Fluid Samples: 0

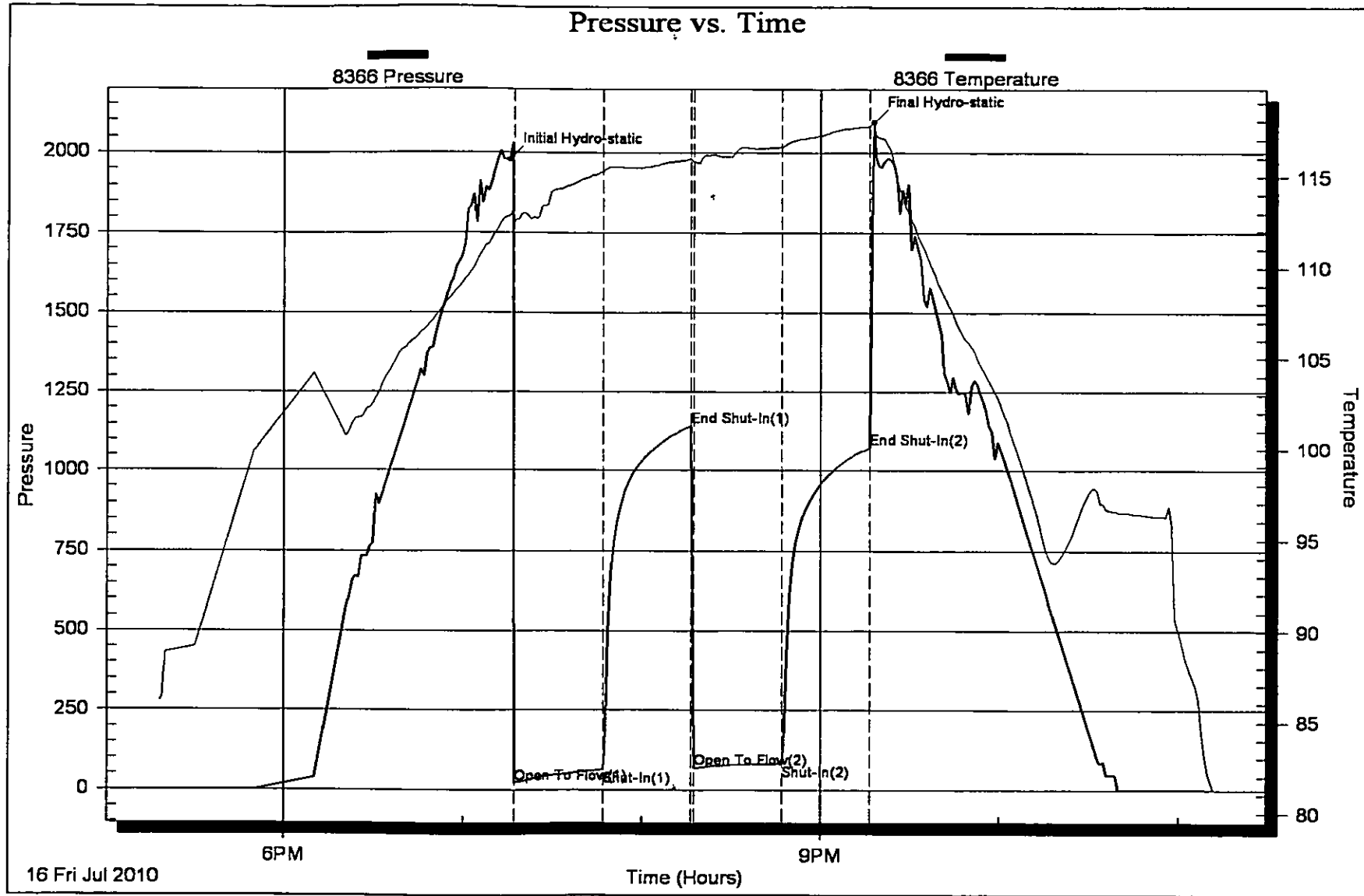
Num Gas Borings: 0

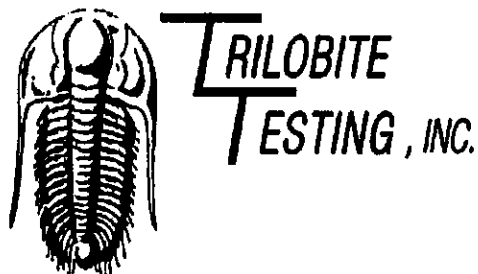
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

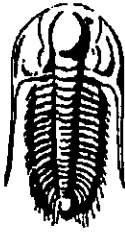
G. Andersen #1-26

Start Date: 2010.07.17 @ 08:05:00

End Date: 2010.07.17 @ 14:24:00

Job Ticket #: 38340 DST #: 5

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

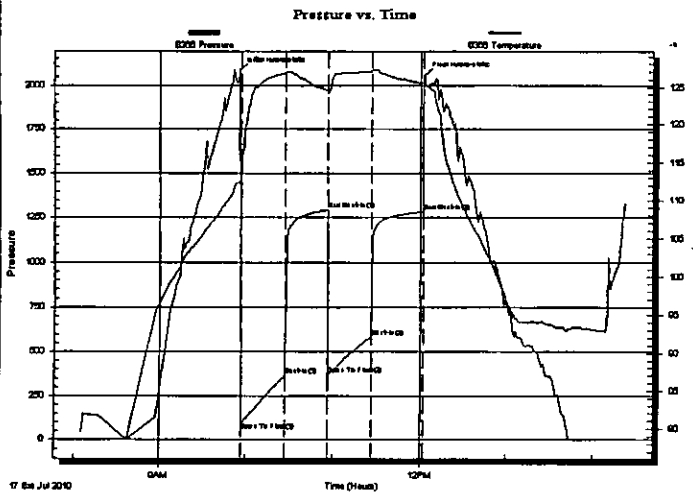
26 12s 32w Logan KS
Job Ticket: 38340 DST#: 5
Test Start: 2010.07.17 @ 08:05:00

GENERAL INFORMATION:

Formation: Lans. "J"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:56:30
Time Test Ended: 14:24:00
Interval: 4202.00 ft (KB) To 4241.00 ft (KB) (TVD)
Total Depth: 4241.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2997.00 ft (KB)
2992.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole
Tester: James Winder
Unit No: 46

Serial #: 8366 Inside
Press@RunDepth: 582.79 psig @ 4203.00 ft (KB)
Start Date: 2010.07.17 End Date: 2010.07.17
Start Time: 08:05:05 End Time: 14:23:59
Capacity: 8000.00 psig
Last Calib.: 2010.07.17
Time On Btm: 2010.07.17 @ 09:55:30
Time Off Btm: 2010.07.17 @ 12:03:00

TEST COMMENT: IF: Blow built to BOB in 4 1/2 min.
IS: Bled off, No blow back
FF: Blow built to BOB in 5 1/2 min.
FS: Bled off, No blow back



PRESSURE SUMMARY

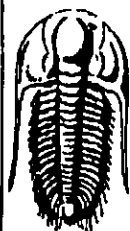
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.60	112.44	Initial Hydro-static
1	50.57	111.97	Open To Flow (1)
32	362.90	126.77	Shut-In(1)
61	1294.33	124.53	End Shut-In(1)
62	368.03	124.21	Open To Flow (2)
91	582.79	127.01	Shut-In(2)
127	1285.30	125.51	End Shut-In(2)
128	2055.30	125.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW w/trace oil 89%w, 11%m	0.59
1000.00	Dropped Bar - fluid out circ. sub	14.03
95.00	MCW w/trace oil 72%w, 28%m	1.33
0.00	RW = .125 ohms @ 105 deg F	0.00
0.00	Chlorides = 38,000 ppm	0.00
0.00	GIP = 30' (bad odor)	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38340

DST#: 5

Test Start: 2010.07.17 @ 08:05:00

Tool Information

Drill Pipe:	Length: 4084.00 ft	Diameter: 3.80 inches	Volume: 57.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 57.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4202.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4180.00	
Hydraulic tool	5.00			4185.00	
Jars	5.00			4190.00	
Safety Joint	2.00			4192.00	
Packer	5.00			4197.00	27.00 Bottom Of Top Packer
Packer	5.00			4202.00	
Stubb	1.00			4203.00	
Recorder	0.00	8366	Inside	4203.00	
Recorder	0.00	8320	Inside	4203.00	
Perforations	35.00			4238.00	
Bullnose	3.00			4241.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38340 DST#: 5

Test Start: 2010.07.17 @ 08:05:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.97 in³
Resistivity: ohm.m
Salinity: 3200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCW w/trace oil 89%w, 11%m	0.590
1000.00	Dropped Bar - fluid out circ. sub	14.027
95.00	MCW w/trace oil 72%w, 28%m	1.333
0.00	RW = .125 ohms @ 105 deg F	0.000
0.00	Chlorides = 38,000 ppm	0.000
0.00	GIP = 30' (bad odor)	0.000

Total Length: 1215.00 ft Total Volume: 15.950 bbl

Num Fluid Samples: 0

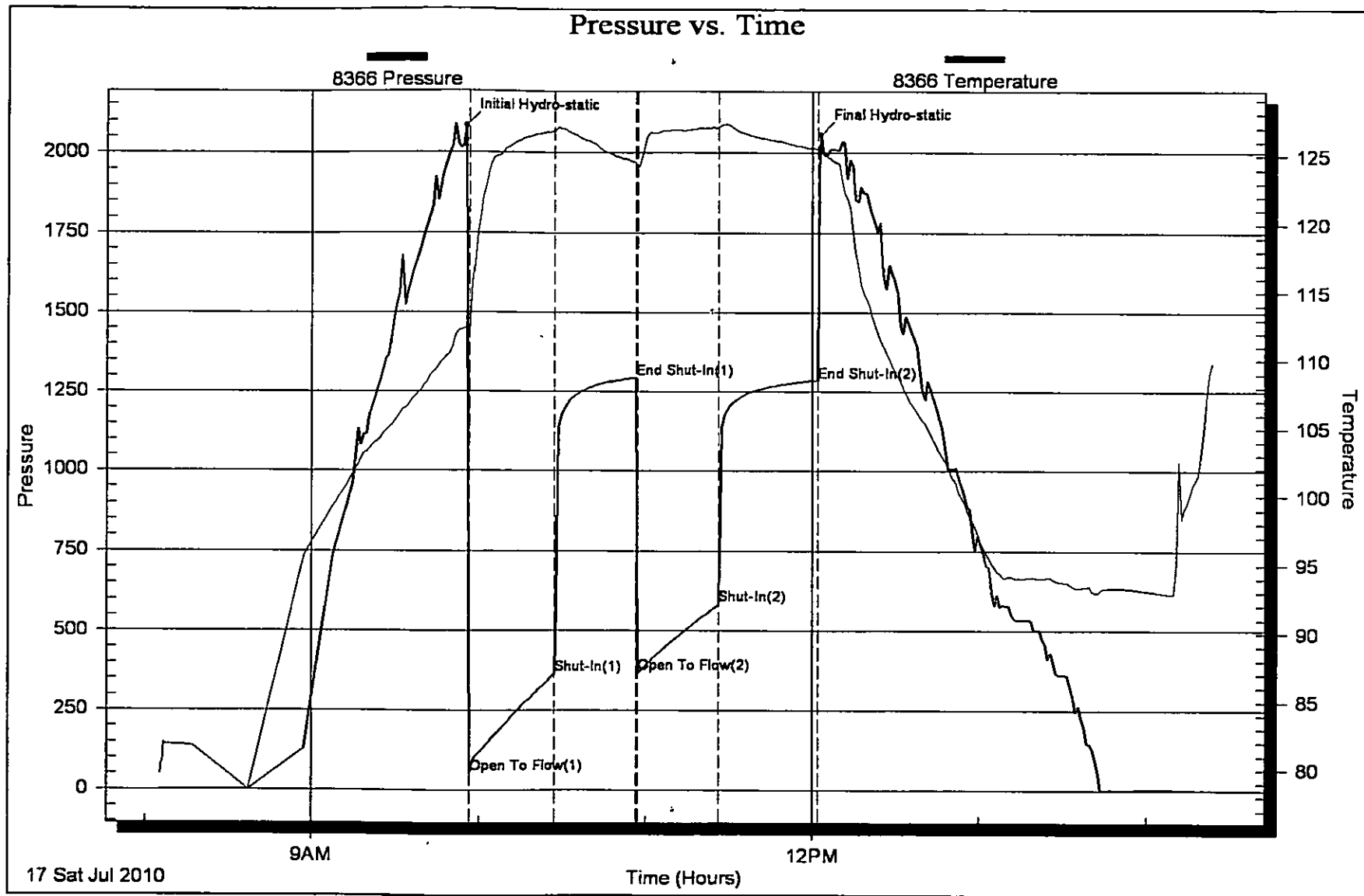
Num Gas Bombs: 0

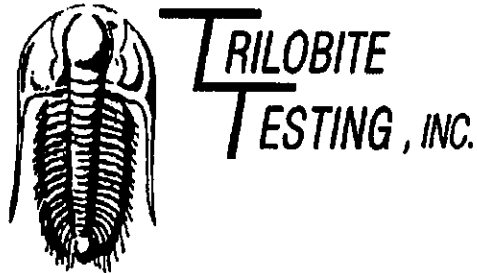
Serial #: *

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

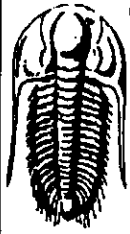
G. Andersen #1-26

Start Date: 2010.07.17 @ 22:51:00

End Date: 2010.07.18 @ 08:49:00

Job Ticket #: 38341 DST #: 6

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38341

DST#: 6

Test Start: 2010.07.17 @ 22:51:00

GENERAL INFORMATION:

Formation: **Lans. "K"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 01:25:00

Time Test Ended: 08:49:00

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **4242.00 ft (KB) To 4274.00 ft (KB) (TVD)**

Total Depth: **4274.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2997.00 ft (KB)**

2992.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: **8366**

Inside

Press@RunDepth: **732.80 psig @ 4243.00 ft (KB)**

Start Date: **2010.07.17**

End Date: **2010.07.18**

Capacity: **8000.00 psig**

Last Calib.: **2010.07.18**

Start Time: **22:51:05**

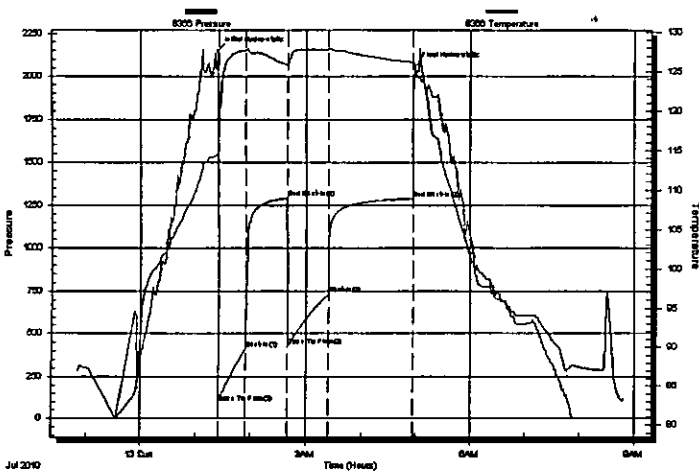
End Time: **08:49:00**

Time On Btm: **2010.07.18 @ 01:24:00**

Time Off Btm: **2010.07.18 @ 04:57:59**

TEST COMMENT: IF: Blow built to BOB in 2 min. 20 sec.
IS: Bled off, blow back started @ 11 min., built to 5 1/2"
FF: Blow built to BOB in 3 1/4 min.
FSt: Bled off, Blow back built to BOB in 35 min.

Pressure vs. Time



PRESSURE SUMMARY

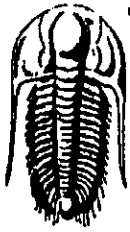
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.26	114.56	Initial Hydro-static
1	94.63	114.43	Open To Flow (1)
31	414.77	127.70	Shut-in(1)
76	1292.89	125.90	End Shut-in(1)
77	427.36	125.78	Open To Flow (2)
121	732.80	127.81	Shut-in(2)
212	1290.01	126.24	End Shut-in(2)
214	2063.47	125.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
700.00	Water w/trace oil 94%w, 6%m	8.73
375.00	SW/GOW 42%w, 26%g, 23%o, 9%m	5.26
565.00	SW/GO 56%o, 36%g, 7%w, 1%m	7.93
40.00	CGO 69%o, 30%g, 1%m	0.56
0.00	GP = 905'	0.00
0.00	Gravity = 41.2 api @ 80 deg	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.
1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

G. Andersen #1-26
26 12s 32w Logan KS
Job Ticket: 38341 DST#: 6
Test Start: 2010.07.17 @ 22:51:00

Tool Information

Drill Pipe:	Length: 4115.00 ft	Diameter: 3.80 inches	Volume: 57.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4242.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Jars	5.00			4230.00	
Safety Joint	2.00			4232.00	
Packer	5.00			4237.00	27.00 Bottom Of Top Packer
Packer	5.00			4242.00	
Stubb	1.00			4243.00	
Recorder	0.00	8366	inside	4243.00	
Recorder	0.00	8320	inside	4243.00	
Perforations	28.00			4271.00	
Bullnose	3.00			4274.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS
Job Ticket: 38341 DST#: 6
Test Start: 2010.07.17 @ 22:51:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39.2 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 53000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

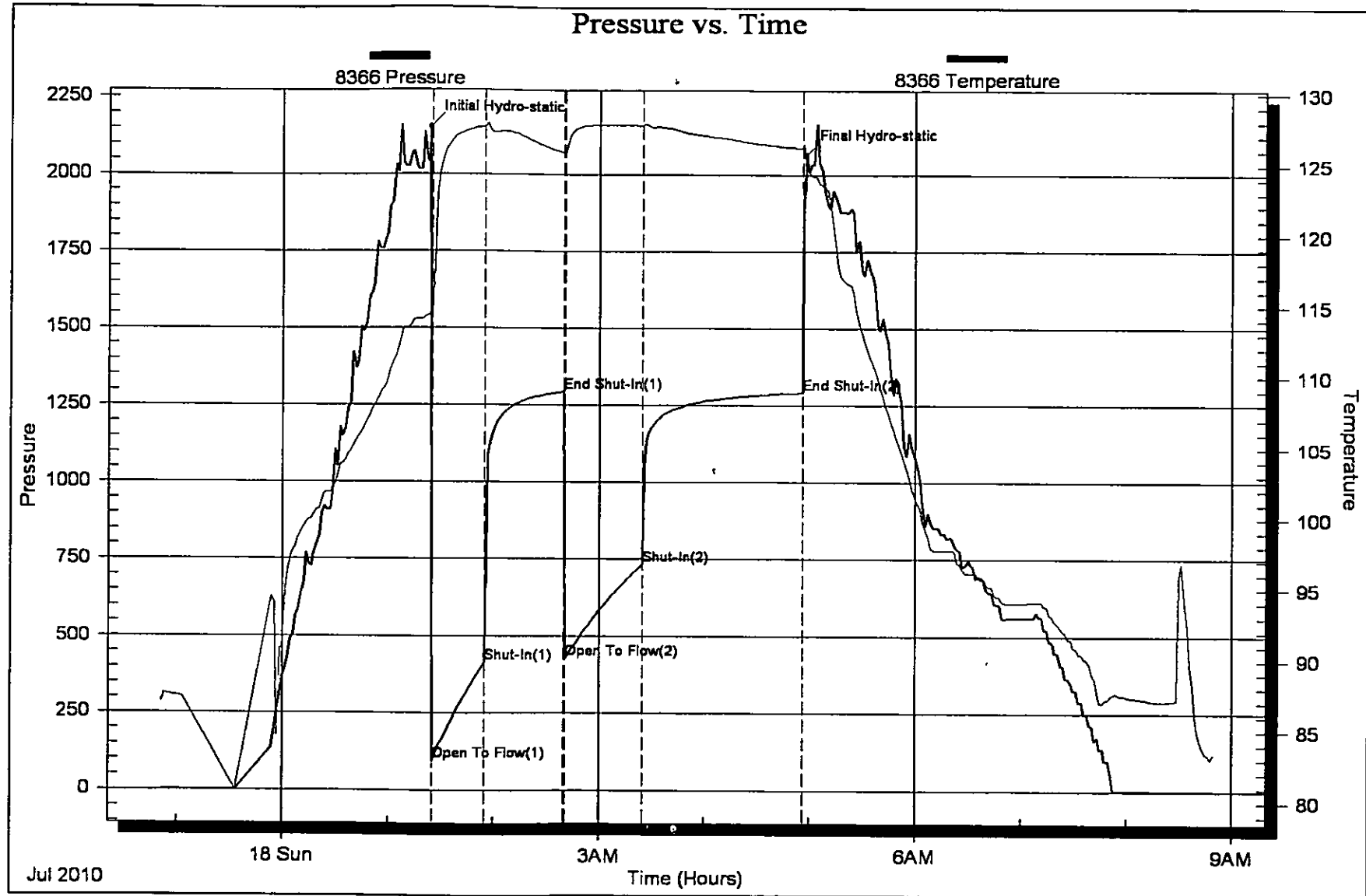
Length ft	Description	Volume bbl
700.00	Water w/trace oil 94%w, 6%m	8.726
375.00	SMGOW 42%w, 26%g, 23%o, 9%m	5.260
565.00	SW/GO 56%o, 36%g, 7%w, 1%m	7.925
40.00	CGO 69%o, 30%g, 1%m	0.561
0.00	GIP = 905'	0.000
0.00	Gravity = 41.2 api @ 80 deg	0.000

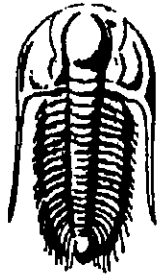
Total Length: 1680.00 ft Total Volume: 22.472 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .133 ohms @ 80.1 deg F
Chlorides = 52,000 ppm





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Grand Mesa Operating Co.**

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206

ATTN: Wes Hansen

26 12s 32w Logan KS

G. Andersen #1-26

Start Date: 2010.07.19 @ 11:53:00

End Date: 2010.07.19 @ 16:51:00

Job Ticket #: 38342 DST #: 7

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2010.07.29 @ 16:07:24 Page 1

Grand Mesa Operating Co.

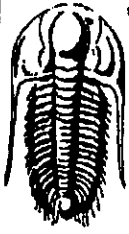
G. Andersen #1-26

26 12s 32w Logan KS

DST # 7

Cherokee / Johnson

2010.07.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS

Job Ticket: 38342 DST#: 7

Test Start: 2010.07.19 @ 11:53:00

GENERAL INFORMATION:

Formation: Cherokee / Johnson

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:09:30

Time Test Ended: 16:51:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 4528.00 ft (KB) To 4570.00 ft (KB) (TVD)

Total Depth: 4570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2997.00 ft (KB)

2992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 17.61 psig @ 4529.00 ft (KB)

Start Date: 2010.07.19

End Date:

2010.07.19

Capacity: 8000.00 psig

Last Calib.: 2010.07.19

Start Time: 11:53:05

End Time:

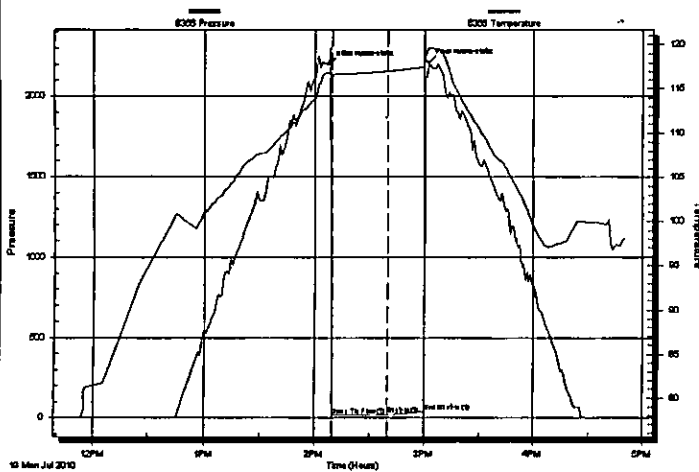
16:50:59

Time On Btm: 2010.07.19 @ 14:07:30

Time Off Btm: 2010.07.19 @ 15:02:00

TEST COMMENT: IF: Surface blow, dead @ 12 min.
ISI No blow back
Pulled Tool

Pressure vs. Time



PRESSURE SUMMARY

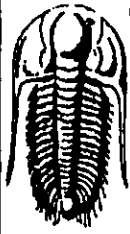
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.13	116.78	Initial Hydro-static
2	16.90	116.28	Open To Flow (1)
33	17.61	116.99	Shut-In(1)
53	40.67	117.45	End Shut-In(1)
55	2212.05	119.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 95% m, 5% o	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grand Mesa Operating Co.
1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

G. Andersen #1-26
26 12s 32w Logan KS
Job Ticket: 38342 DST#: 7
Test Start: 2010.07.19 @ 11:53:00

Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.80 inches	Volume: 61.65 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 62.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4528.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4506.00	
Hydraulic tool	5.00			4511.00	
Jars	5.00			4516.00	
Safety Joint	2.00			4518.00	
Packer	5.00			4523.00	27.00 Bottom Of Top Packer
Packer	5.00			4528.00	
Stubb	1.00			4529.00	
Recorder	0.00	8366	Inside	4529.00	
Recorder	0.00	8320	Inside	4529.00	
Perforations	5.00			4534.00	
Blank Spacing	33.00			4567.00	
Bullnose	3.00			4570.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Grand Mesa Operating Co.

G. Andersen #1-26

1700 N. Waterfront Pkwy
Bldg 600
Wichita, KS 67206
ATTN: Wes Hansen

26 12s 32w Logan KS
Job Ticket: 38342 DST#: 7
Test Start: 2010.07.19 @ 11:53:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 9.58 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SOCM 95% m, 5% o	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

