

ORIGINAL

1/17/13

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9067
Name: DaMar Resources, Inc.
Address 1: P. O. Box 70
Address 2: _____
City: Hays State: KS Zip: 67601 + _____
Contact Person: Curtis R. Longpine
Phone: (785) 625.0020
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Randy Killian
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 #: _____

<u>10/17/11</u>	<u>10/22/11</u>	<u>12/01/11</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26198-00-00

Spot Description: _____

NW SE NW SE Sec. 11 Twp. 13 S. R. 18 East West

1,920 Feet from North / South Line of Section

1,820 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis

Lease Name: Jim Well #: 1

Field Name: Wildcat

Producing Formation: Lansing/KC

Elevation: Ground: 2170 Kelly Bushing: 2175

Total Depth: 3804' Plug Back Total Depth: 3761'

Amount of Surface Pipe Set and Cemented at: 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1437 Feet

If Alternate II completion, cement circulated from: 1437

feet depth to: Surface w/ 150 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 4000 ppm Fluid volume: 3000 bbls

Dewatering method used: Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. CONFIDENTIAL R. _____ East West

County: _____ Permit #: _____

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

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]

Title: Curtis R. Longpine, VP/Geologist Date: 2/12/12

KCC Office Use ONLY

- Letter of Confidentiality Received RECEIVED
- Date: 1.17.12 - 1.17.13
- Confidential Release Date: JAN 17 2012
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: [Signature] Date: 1-31-12

15

Operator Name: DaMar Resources, Inc. Lease Name: Jim Well #: 1
 Sec. 11 Twp. 13 S. R. 18 East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input 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: Microresistivity, Dual induction, Dual compensated porosity	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Attached GEO Report
--	--

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	23	260	Common	160	3% c.c. 2% gel
Production	7 7/8"	5 1/2"	14	3795	EA-2	100	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1437	Common	150	QMD

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	3549-3554	200 gal mud and 900 gal acid	
		CONFIDENTIAL	
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		KCC	RECEIVED
			JAN 17 2012

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3766</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC WICHITA
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Date of First, Resumed Production, SWD or ENHR. <u>12/01/11</u>	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. <u>43</u>	Gas Mcf <u> </u>	Water Bbls. <u>15</u>	Gas-Oil Ratio <u> </u>	Gravity <u> </u>

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: <u>3549-3554</u>
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JOB LOG

SWIFT Services, Inc.

DATE 10-23-11 PAGE NO. 1

CUSTOMER *Damar Resources* WELL NO. *#1* LEASE *Jim* JOB TYPE *Long string* TICKET NO. *20353*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							on loc w/FE
								RTD 3804 5 1/2" x 14# x 3902' x 22' Cent 1, 3, 5, 7, 9, 11, 56 Baskets 2, 12, 56 1/2 wt P.C. 56 @ 1441' jts out 1, 65
	1330							start FE
	1540							Break Circ.
	1600	2.5	7					Plug RH 30sks EA-2
	1609	4.5	0			150		start Mud flush
	1612	4.5	12/0			150		start KCL flush
	1616	5.5	20/0			200		start Cement 100sks EA-2
	1620		24					End Cement wash P+L Drop L.D. Plug
	1625	6.5	0			150		start Displacement
	1635	5	64			200		Catch Cement
	1640		92			200 1400		Land Plug Release Pressure Float Held

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Thank you

Nick, Brandon + Russ

QUALITY OILWELL CEMENTING, INC.

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

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

No. 5021

Date	10-17-11	Sec.	11	Twp.	13	Range	18	County	Ellis	State	Ransas	On Location		Finish	9:45 PM	
Lease	Sim	Well No.	1			Location			Hays 3W on Commerce Pkwy 1/2 W of Sub							
Contractor	W/W Drilling Rig 8											Owner				
Type Job	Surface											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	12 1/4			T.D.			261			Charge To			Damas Resources			
Csg.	8 3/8 231b			Depth			261			Street						
Tbg. Size				Depth						City			State			
Tool				Depth						The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	10-15			Shoe Joint						Cement Amount Ordered			160 Common 3 1/2 cc 2861			
Meas Line				Displace			15 3/8									

EQUIPMENT

Pumptrk	5	No.	Cement	
			Helper	Star
Bulktrk	14	No.	Driver	Star
			Driver	Star
Bulktrk		No.	Driver	Don
			Driver	

Common	160
Poz. Mix	
Gel.	3
Calcium	5
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	168
Mileage	

JOB SERVICES & REMARKS

Remarks:
Rat Hole
Mouse Hole
Centralizers
Baskets
D/V or Port Collar

Cement did Circulate

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

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Signature: *[Handwritten Signature]*

Pumptrk Charge	Surface
Mileage	3
CONFIDENTIAL	Tax
JAN 17 2013	Discount
KCC	Total Charge

QUALITY OILWELL CEMENTING, INC.

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

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

No. 078

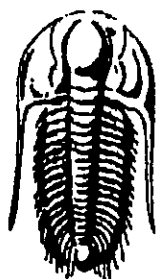
Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-23-11	11	13	18	Ellis	Ks		1:30pm
Lease <i>Jm</i>	Well No. <i>1</i>		Location <i>Commerce Parkway & Van End Low Vinto</i>				
Contractor <i>Express</i>				Owner			
Type Job <i>Port collar</i>				To Quality Oilwell Cementing, Inc.			
Hole Size <i>7 7/8</i>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. <i>5 1/2</i>		T.D.		Charge To <i>Damar Resources</i>			
Tbg. Size <i>2 7/8</i>		Depth		Street			
Tool		Depth		City			
Cement Left in Csg.		Shoe Joint		State			
Meas Line		Displace <i>76L</i>		The above was done to satisfaction and supervision of owner agent or contractor.			
EQUIPMENT				Cement Amount Ordered <i>250 QMDC 14#10</i>			
Pumptrk <i>5</i>	No.	Cementer <i>Craig</i>		<i>USED 150SK</i>		<i>1 Sand</i>	
		Helper		Common <i>150</i>			
Bulktrk	No.	Driver <i>Dave</i>		Poz. Mix			
Bulktrk <i>12</i>	No.	Driver <i>Michael</i>		Gel.			
JOB SERVICES & REMARKS				Calcium			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal <i>62#</i>			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
DN of Port Collar <i>1437</i>				CFL-117 or CD110 CAF 38			
<i>Run tubing to 2960 & dump oil out of hole. Spot sand. Pull tubing to 1437. Test to 1000. Open test.</i>				Sand			
<i>Est. Circulation Mix 130 SK Cement</i>				Handling <i>250</i>			
<i>Circulate at 1000 feet pressure to 900 run 5 joints wash clean.</i>				Mileage			
<i>Run tubing to plug & wash sand off.</i>				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU/Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <i>Port Collar 2nd</i>			
				Mileage <i>NE</i>			
				CONFIDENTIAL			
				Tax			
				Discount			
				Total Charge			
Signature <i>Ann Weising</i>				KCC			

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JAN 17 2013

15.051.26/98.00.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Damar Resources, Inc.**

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

Jim #1

11-13-18, Ellis, Ks

Start Date: 2011.10.21 @ 12:35:56

End Date: 2011.10.21 @ 21:19:56

Job Ticket #: 44834 DST #: 1

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JAN 17 2013

KCC

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Printed: 2011.10.28 @ 13:27:43

Damar Resources, Inc.

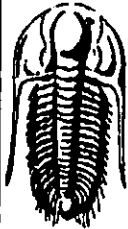
11-13-18, Ellis, Ks

Jim #1

DST # 1

KC"C-D"

2011.10.21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Damar Resources, Inc.

11-13-18, Ellis, Ks

PO Box 70
Hays KS 67601

Jim #1

Job Ticket: 44834

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.10.21 @ 12:35:56

GENERAL INFORMATION:

Formation: **KC"C-D"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 15:36:26
 Time Test Ended: 21:19:56

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Brett Dickinson**
 Unit No: **47**

Interval: **3479.00 ft (KB) To 3518.00 ft (KB) (TVD)**
 Total Depth: **3518.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2175.00 ft (KB)**
2170.00 ft (CF)
 KB to GR/CF: **5.00 ft**

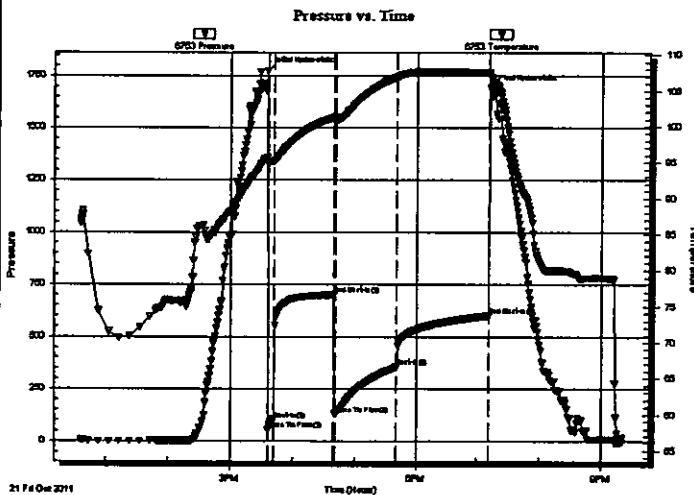
Serial #: 6753

Inside

Press@RunDepth: **355.40 psig @ 3480.00 ft (KB)**
 Start Date: **2011.10.21** End Date: **2011.10.21**
 Start Time: **12:36:01** End Time: **21:19:56**

Capacity: **8000.00 psig**
 Last Calib.: **2011.10.21**
 Time On Btm: **2011.10.21 @ 15:35:26**
 Time Off Btm: **2011.10.21 @ 19:12:26**

TEST COMMENT: IF-BOB in 4 min
 IS- No blow
 FF-BOB in 4.5 min
 FSI-7" blow



PRESSURE SUMMARY

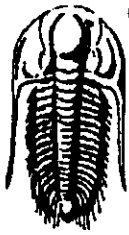
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.06	95.67	Initial Hydro-static
1	55.45	94.80	Open To Flow (1)
6	103.86	95.19	Shut-In(1)
64	701.64	101.29	End Shut-In(1)
65	129.83	101.07	Open To Flow (2)
125	355.40	106.97	Shut-In(2)
215	598.96	107.58	End Shut-In(2)
217	1693.50	106.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
510.00	Water	6.02
155.00	GSOMCW 10%G 10%O 45%W 35%M	2.17
45.00	GO 10%G 90%O	0.63
0.00	360ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources, Inc.

11-13-18, Ellis, Ks

PO Box 70
Hays KS 67601

Jim #1

Job Ticket: 44834

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.10.21 @ 12:35:56

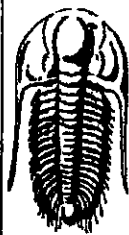
Tool Information

Drill Pipe:	Length: 3351.00 ft	Diameter: 3.80 inches	Volume: 47.01 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3479.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3459.00	
Shut In Tool	5.00			3464.00	
Hydraulic tool	5.00			3469.00	
Packer	5.00			3474.00	21.00 Bottom Of Top Packer
Packer	5.00			3479.00	
Stubb	1.00			3480.00	
Recorder	0.00	6753	Inside	3480.00	
Recorder	0.00	8369	Outside	3480.00	
Perforations	2.00			3482.00	
Change Over Sub	1.00			3483.00	
Drill Pipe	31.00			3514.00	
Change Over Sub	1.00			3515.00	
Bullnose	3.00			3518.00	39.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources, Inc.

11-13-18, Ellis, Ks

PO Box 70
Hays KS 67601

Jim #1

Job Ticket: 44834

DST#: 1

ATTN: Randy Kilian

Test Start: 2011.10.21 @ 12:35:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

83000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 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 bbf
510.00	Water	6.024
155.00	G50MCW 10%G 10%O 45%W 35%M	2.174
45.00	GO 10%G 90%O	0.631
0.00	360ft GIP	0.000

Total Length: 710.00 ft

Total Volume: 8.829 bbf

Num Fluid Samples: 0

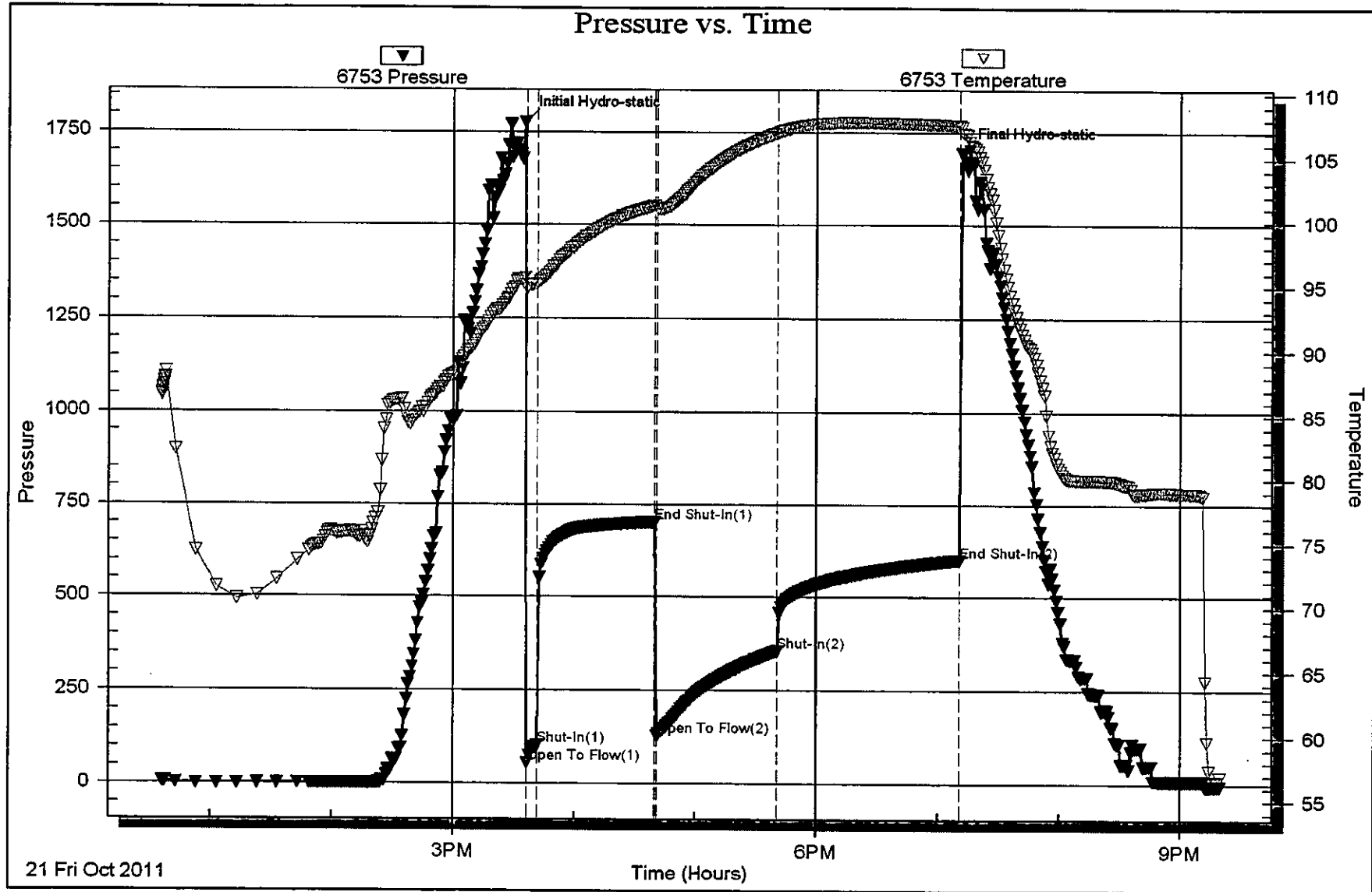
Num Gas Bombs: 0

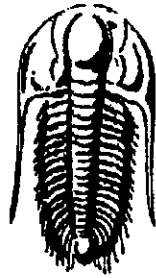
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.11 @ 61





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Damar Resources, Inc.**

PO Box 70
Hays KS 67601

ATTN: Randy Kilian

Jim #1

11-13-18, Ellis, Ks

Start Date: 2011.10.22 @ 03:50:42

End Date: 2011.10.22 @ 11:46:12

Job Ticket #: 44835 DST #: 2

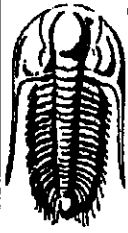
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.10.28 @ 13:28:04

Damar Resources, Inc. 11-13-18, Ellis, Ks Jim #1 DST # 2 KC"E-G" 2011.10.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Damar Resources, Inc.

11-13-18, Ellis, Ks

PO Box 70
Hays KS 67601

Jim #1

Job Ticket: 44835

DST#: 2

ATTN: Randy Kilian

Test Start: 2011.10.22 @ 03:50:42

GENERAL INFORMATION:

Formation: **KC"E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:12

Time Test Ended: 11:46:12

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 47

Interval: 3517.00 ft (KB) To 3570.00 ft (KB) (TVD)

Total Depth: 3570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2175.00 ft (KB)

2170.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 125.98 psig @ 3518.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.10.22 End Date: 2011.10.22

Last Calib.: 2011.10.22

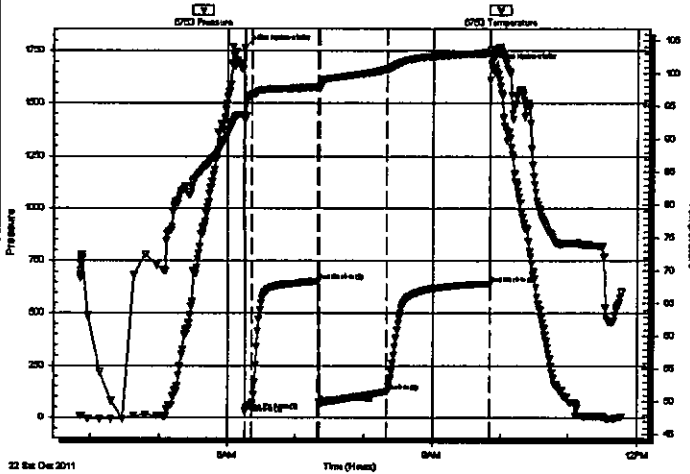
Start Time: 03:50:47 End Time: 11:46:11

Time On Btm: 2011.10.22 @ 06:14:12

Time Off Btm: 2011.10.22 @ 09:51:42

TEST COMMENT: IF-5.5" blow
IS-No blow
FF-BOB in 3.5 min
FS-BOB in 16 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.32	93.67	Initial Hydro-static
1	32.43	92.97	Open To Flow (1)
7	61.85	96.63	Shut-In(1)
65	654.83	98.02	End Shut-In(1)
66	70.73	97.70	Open To Flow (2)
126	125.98	100.70	Shut-In(2)
216	641.73	103.11	End Shut-In(2)
218	1672.47	102.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	GMOO 15%G 65%O 20%M	1.47
130.00	GO 25%G 75%O	1.82
0.00	880ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Damar Resources, Inc.
PO Box 70
Hays KS 67601
ATTN: Randy Kilian

11-13-18, Ellis, Ks
Jim #1
Job Ticket: 44835 **DST#: 2**
Test Start: 2011.10.22 @ 03:50:42

Tool Information

Drill Pipe:	Length: 3388.00 ft	Diameter: 3.80 inches	Volume: 47.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3517.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	74.00 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			3497.00	
Shut In Tool	5.00			3502.00	
Hydraulic tool	5.00			3507.00	
Packer	5.00			3512.00	21.00 Bottom Of Top Packer
Packer	5.00			3517.00	
Stubb	1.00			3518.00	
Recorder	0.00	6753	Inside	3518.00	
Recorder	0.00	8369	Outside	3518.00	
Perforations	2.00			3520.00	
Change Over Sub	1.00			3521.00	
Drill Pipe	32.00			3553.00	
Change Over Sub	1.00			3554.00	
Perforations	13.00			3567.00	
Bullnose	3.00			3570.00	53.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Damar Resources, Inc.

11-13-18, Ells, Ks

PO Box 70
Hays KS 67601

Jim #1

Job Ticket: 44835

DST#: 2

ATTN: Randy Kilian

Test Start: 2011.10.22 @ 03:50:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohmm

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
185.00	GMCO 15%G 65%O 20%M	1.465
130.00	GO 25%G 75%O	1.824
0.00	880ft GIP	0.000

Total Length: 315.00 ft

Total Volume: 3.289 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

