

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

RECEIVED ORIGINAL

DEC 22 2010

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

Tags must be Filled

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

12/22/12

OPERATOR: License # 4058  
Name: American Warrior, Inc  
Address 1: P O Box 399  
Address 2: \_\_\_\_\_  
City: Garden City State: KS Zip: 67846 + \_\_\_\_\_  
Contact Person: Kevin Wiles, Sr  
Phone: (620) 275-2963  
CONTRACTOR: License # 30606  
Name: Murfin Drilling Co  
Wellsite Geologist: James Musgrove  
Purchaser: N/A

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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
9/28/10	10/7/10	12/16/10

API No. 15 - 135-25, 172 - 0000  
Spot Description: NE-NE-NW-NW  
NE NE NW NW Sec. 14 Twp. 20 S. R. 24  East  West  
280 Feet from  North /  South Line of Section  
1,128 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ness  
Lease Name: Petersillie Unit Well #: 1-44  
Field Name: Wildcat  
Producing Formation: Mississippi  
Elevation: Ground: 2330' Kelly Bushing: 2335'  
Total Depth: 4520' Plug Back Total Depth: 4489'  
Amount of Surface Pipe Set and Cemented at: 772 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1575 Feet  
If Alternate II completion, cement circulated from: Surface  
feet depth to: 1575' w/ 160 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 19900 ppm Fluid volume: 107 bbls

Dewatering method used: EVAPORATION

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, 82-3-106 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: Geologist Date: 12/20/10

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: 12/22/10 - 12/22/12
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: [Signature] Date: 4-5-11

Operator Name: American Warrior, Inc Lease Name: Petersillie Unit Well #: 1-14  
 Sec. 14 Twp. 20 S. R. 24  East  West County: Ness

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**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>DIL, MEL, DC/PL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Stone Corral</td> <td>1569'</td> <td>+766</td> </tr> <tr> <td>Base Stone Corral</td> <td>1606'</td> <td>+729</td> </tr> <tr> <td>Heebner</td> <td>3731'</td> <td>-1396</td> </tr> <tr> <td>Lansing</td> <td>3776'</td> <td>-1441</td> </tr> <tr> <td>Cherokee</td> <td>4323'</td> <td>-1988</td> </tr> <tr> <td>Mississippi Dolomite</td> <td>4411'</td> <td>-2076</td> </tr> <tr> <td>Mississippi Osage</td> <td>4478'</td> <td>-2143</td> </tr> </tbody> </table>	Name	Top	Datum	Stone Corral	1569'	+766	Base Stone Corral	1606'	+729	Heebner	3731'	-1396	Lansing	3776'	-1441	Cherokee	4323'	-1988	Mississippi Dolomite	4411'	-2076	Mississippi Osage	4478'	-2143
Name	Top	Datum																							
Stone Corral	1569'	+766																							
Base Stone Corral	1606'	+729																							
Heebner	3731'	-1396																							
Lansing	3776'	-1441																							
Cherokee	4323'	-1988																							
Mississippi Dolomite	4411'	-2076																							
Mississippi Osage	4478'	-2143																							

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#	772'	Common	175	3%cc 2%gel
Production	8-7/8"	5-1/2"	15.5#	4519'	EA-2	125	Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	4453'-4454'	Common	55 sks	

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	4453'-4454'	Squeeze 55 sks Common	Same
4	4435'-4442'	None	

TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4517'</u> Packer At:		Liner Run: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR: <u>N/A</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>N/A</u>	Gas Mcf <u>N/A</u>	Water Bbls. <u>N/A</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	--



CHARGE TO: American Warrior  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET  
19053

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PAGE 1 OF 2

SERVICE LOCATIONS: Ness city KS  
 WELL/PROJECT NO.: \_\_\_\_\_  
 COUNTY/PARISH: Ness STATE: KS CITY: Ness city  
 DATE: 6 OCT 10 OWNER: \_\_\_\_\_  
 TICKET TYPE:  SERVICE  SALES CONTRACTOR: MUEBIA RIG NAME/NO.: \_\_\_\_\_  
 SHIPPED VIA: CT DELIVERED TO: LOCATION ORDER NO.: \_\_\_\_\_  
 WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: Cement long string WELL PERMIT NO.: \_\_\_\_\_  
 WELL LOCATION: \_\_\_\_\_  
 REFERRAL LOCATION: \_\_\_\_\_ INVOICE INSTRUCTIONS: \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE TRK 114	15		mi		5.00	75.00
578		1			Pump Charge	1		ea		1400.00	1400.00
401		1			insert float shoe	5 1/2		in	1 ea	150.00	150.00
402		1			centralizers	5 1/2	8	in	55 ea	55.00	440.00
403		1			Cement Baskets	5 1/2	3	in	ea	200.00	600.00
404		1			Port collar	5 1/2	1	in	ea	1900.00	1900.00
406		1			latch down plug & baffle	5 1/2	1	in	ea	225.00	225.00
407		1			insert float shoe w/ auto fill	5 1/2	1	in	ea	275.00	275.00
414		1			limit clamp	5 1/2	1	in	ea	30.00	30.00
419		1			Rotating head rental	5 1/2	1	in	ea	150.00	150.00

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**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]  
 DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  
 A.M.  
 P.M.

**REMIT PAYMENT TO:**

**SWIFT SERVICES, INC.**  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL 1
WE UNDERSTOOD AND MET YOUR NEEDS?				2
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				9652.50
ARE YOU SATISFIED WITH OUR SERVICE?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		TAX 6.3%
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: \_\_\_\_\_ APPROVAL: \_\_\_\_\_

Thank You!



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19053

CUSTOMER American Warrior

WELL #1

DATE 6 OCT 10

PAGE 2 OF 2

ITEM NO.	QUANTITY	DESCRIPTION	UNIT	PRICE	AMOUNT
325	1	STANDARD cement	175 sks	12.00	2100.00
284	1	calseal	8 sks	30.00	240.00
283	1	salt	900 lb	0.15	135.00
292	1	Halad 322	125 lb	7.00	875.00
276	1	Stocle	50 lb	1.50	75.00
281	1	mud flush	500 gal	1.00	500.00
221	1	KCL liquid	2 gal	25.00	50.00
290	1	D-Air	2 gal	35.00	70.00
582	1	Prayce (misc)		250.00	250.00
581	1	SERVICE CHARGE		250.00	250.00
			CUBIC FEET	175	1.50
		TOTAL WEIGHT	LOADED MILES	TON MILES	262.50

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4557.50

**JOB LOG**

**SWIFT Services, Inc.**

DATE **OCT 10** PAGE NO. **1**

CUSTOMER **American Warrior** WELL NO. **1** LEASE **Peterside** JOB TYPE **connect long string** TICKET NO. **19053**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1752s of 2A-2 TOTAL PIPE 4522 TD = 4520 Logger TD 4523 Shoe joint 27' baskets - 2 @ 70 Contract 1, 3, 5, 7, 9, 11, 13 @ 70 Limit down on TD port collar = 1575' <sup>PSI @ 100</sup>
	1710							on location
	1945							start casing in well 5 1/2 15.5#
	1930							DROP BALL circulate rotate
	1955	4						Pump 500 gal MUDFLUSA
	2000	4	20					Pump 20 bbl KCL flush
	2004	2	12					Plug RH mm (30 sks - 20 sks)
	2010	4 3/4	30				300	Mix connect 185' 2A-2 15.4 pp9
	2020							wash out pump & lines Release latch down plug
	2021	6 3/4	107				300 300	Displace plug
	2040	6 3/4	107				800 1500	Plug down - 1500 psi
								Release pressure - dried up
	2045							wash truck
	2120							job complete
								Travis Blain, Wayne Joe & Dave

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**JAMES C. MUSGROVE**

Petroleum Geologist  
212 Main Street  
P.O. Box 215  
Clafin, KS 67525

Office (620) 588-4250

Res. Clafin (620) 587-3444

Damar Resources Inc.  
Petersille Unit #1  
280' FNL & 1128' FWL; Section 14-20s-24w  
Ness County, Kansas  
Page 1

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5 1/2" Production Casing

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- Contractor:** Murfin Drilling Company (Rig #16)
- Commenced:** September 28, 2010
- Completed:** October 7, 2010
- Elevation:** 2335' K.B.; 2333' G.F; 2330' G.L.
- Casing program:** Surface; 8/58" @ 772'  
Production; 5 1/2" @ 4522'
- Sample:** Samples saved and examined 3700' to the Rotary Total Depth.
- Drilling time:** One (1) foot drilling time recorded and kept 3700 ft to the Rotary Total Depth.
- Measurements:** All depths measured from the Kelly Bushing.
- Formation Testing:** There were four (4) Drill Stem Tests ran by Trilobite Testing Co.
- Electric Log:** By Log Tech Inc; Dual Induction, Dual Compensated Porosity Log and MicroLog.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1569	+766
Base Anhydrite	1606	+729
Heebner	3731	-1396
Toronto	3749	-1414
Lansing	3776	-1441
Stark Shale	4039	-1704
Base Kansas City	4112	-1777
Marmaton	4150	-1815
Pawnee	4225	-1890
Ft Scott	4297	-1962
Cherokee Shale	4323	-1988
Mississippian Dolomite	4411	-2076
Mississippian Osage	4478	-2143
Rotary Total Depth	4520	-2185
Log Total Depth	4523	-2188

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TORONTO THROUGH LANSING SECTION

3749-4112' There were several zones of well developed porosity encountered in the drilling of the Toronto through Lansing Section but no shows of oil and/or gas was noted (see attached Geological Report/Sample Log).

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**MARMATON SECTION**

- 4150-4170' Limestone; buff, brown, finely crystalline, slightly chalky, few cherty (dense).
- 4180-4190' Limestone; white, gray, chalky, trace amber gray chert.
- 4190-4202' Limestone; gray, slightly cherty (dense).

**PAWNEE SECTION**

- 4225-4250' Limestone; gray, finely crystalline, dense.
- 4250-4270' Limestone; as above.
- 4270-4290' Limestone; tan, gray, cherty in part, dense shaley at base.

**FT SCOTT SECTION**

- 4297-4304' Limestone; tan, finely crystalline, chalky, few scattered poor vuggy type porosity, brown stain, show of free oil and faint odor in fresh samples.
- 4312-4320' Limestone; as above, fair porosity, brown and light brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #1 4271-4326'**

**Times: 5-60-60-90**

**Blow: Strong**

**Recovery: 920' gas in pipe  
62' gassy mud  
185' oil and gas cut mud  
(30% gas, 10% oil, 60% mud)  
62' slightly oil and gas cut mud  
(10% gas, 3% oil, 87% mud)  
370' muddy water**

**Pressures: ISIP 992 psi  
FSIP 919 psi  
IFP 36-78 psi  
FFP 82-338 psi  
HSH 2176-2025 psi**

**CHEROKEE SECTION**

- 4325-4336' Limestone; gray, tan, finely crystalline, chalky.
- 4352-4360' Limestone; tan, gray, chalky, few cherty, gray to black stain, no show of free oil and questionable odor in fresh samples.

**CONGLOMERATE SECTION**

- 4371-4406' Chert; orange, yellow, white, few weathered semi-tripolitic, black stain, trace free oil plus white/gray calcareous sand.

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**MISSISSIPPIAM DOLOMITE SECTION**

4412-4427' Dolomite; gray, tan, finely crystalline, sucrosic, scattered porosity, brown and dark brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #2** **4335-4427'**

Times: 5-60-30-60

Blow: Weak

Recovery: 1' clean oil  
19' mud

Pressures: ISIP 1274 psi  
FSIP 1093 psi  
IFP 15-16 psi  
FFP 18-24 psi  
HSH 2099-2066 psi

4427-4439' Dolomite; gray, tan, finely crystalline, sucrosic, "wormy", scattered pinpoint and vuggy type porosity, brown and dark brown stain, show of free oil and fair odor in fresh samples.

**Drill Stem Test #3** **4335-4439'**

Times: 5-60-75-90

Blow: Weak

Recovery: 155' gas in pipe  
50' clean oil  
145' heavy oil cut mud  
(30% oil, 70% mud)

Pressures: ISIP 1296 psi  
FSIP 1170 psi  
IFP 19-31 psi  
FFP 33-103 psi  
HSH 2183-2074 psi

4439-4449' Dolomite; as above, stain and show of free oil.

**Drill Stem Test #4** **4336-4449'**

Times: 5-60-75-90

Blow: Weak

Recovery: 60' gas in pipe  
180' slightly oil cut gassy mud  
(5% gas, 3% oil, 92% mud)

Pressures: ISIP 1262 psi  
FSIP 1158 psi  
IFP 19-29 psi  
FFP 34-103 psi  
HSH 2174-2048 psi



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4449-4460' Dolomite; white/gray, finely crystalline, sucrosic, few glauconitic, trace stain, poor show of free oil, and questionable odor in fresh samples.

4460-4477' Dolomite; as above, dense.

**OSAGE SECTION**

4478-4500' Dolomite; tan/gray sucrosic, slug white boney slightly fossiliferous chert.

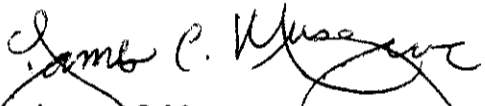
4500-4523' Chert and Dolomite; as above.

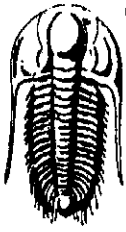
Rotary Total Depth      **4520 (-2185)**  
Log Total Depth         **4523 (-2188)**

**Recommendations:**

Damar Resources Inc. recommended that the Petersille Unit #1 be plugged and abandoned, American Warrior (50% ownership) opted to take over operating and run 5 1/2" production casing.

Respectfully submitted;

  
James C Musgrove,  
Petroleum Geologist



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

DaMar Res Inc  
234 W 11th Ste A  
Hays KS 67601  
ATTN: Dan Schippers

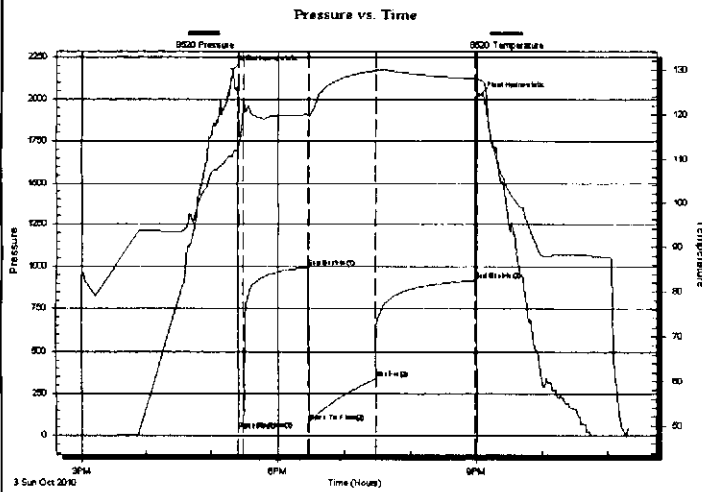
**Petersille #1**  
**14-20-24 Ness, KS**  
Job Ticket: 040356      DST#: 1  
Test Start: 2010.10.03 @ 15:00:40

**GENERAL INFORMATION:**

Formation: **Ft Scott**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 17:23:55  
Time Test Ended: 23:19:40  
Interval: **4271.00 ft (KB) To 4326.00 ft (KB) (TVD)**  
Total Depth: 4326.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 2335.00 ft (KB)  
2330.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8520      Outside**  
Press@RunDepth: 338.10 psig @ 4276.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.10.03      End Date: 2010.10.03      Last Calib.: 2010.10.03  
Start Time: 15:00:41      End Time: 23:19:40      Time On Btm: 2010.10.03 @ 17:18:40  
Time Off Btm: 2010.10.03 @ 21:02:40

**TEST COMMENT:** IF-Strong B-B in 4.5 min  
ISI-No blow back  
FF-Strong B-B in 3  
FSI-Strong B-B in 30 min



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.26	110.56	Initial Hydro-static
6	36.30	111.30	Open To Flow (1)
11	78.27	122.11	Shut-In(1)
69	992.86	119.91	End Shut-In(1)
70	82.23	119.52	Open To Flow (2)
130	338.10	129.84	Shut-In(2)
220	919.44	128.12	End Shut-In(2)
224	2025.89	127.73	Final Hydro-static

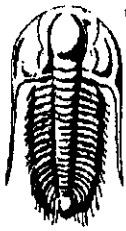
**Recovery**

Length (ft)	Description	Volume (bbl)
370.00	Mdy Wtr 90%w 10%m	4.66
62.00	Sltty OCGsyM 10%g 3%o 87%m	0.87
185.00	O&GCM 30%g 10%o 60%m	2.60
62.00	Gsy Mud 30%g 70%m	0.87
0.00	930 GIP	0.00

**Gas Rates**

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

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**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Res Inc

Petersille #1

234 W 11th Ste A  
Hays KS 67601

14-20-24 Ness,KS

Job Ticket: 040356

DST#: 1

ATTN: Dan Schippers

Test Start: 2010.10.03 @ 15:00:40

### 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:

38000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.18 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
370.00	Mdy Wtr 90%w 10%m	4.662
62.00	Sltly OCGsyM 10%g 3%o 87%m	0.870
185.00	O&GCM 30%g 10%o 60%m	2.595
62.00	Gsy Mud 30%g 70%m	0.870
0.00	930 GIP	0.000

Total Length: 679.00 ft      Total Volume: 8.997 bbf

Num Fluid Samples: 0

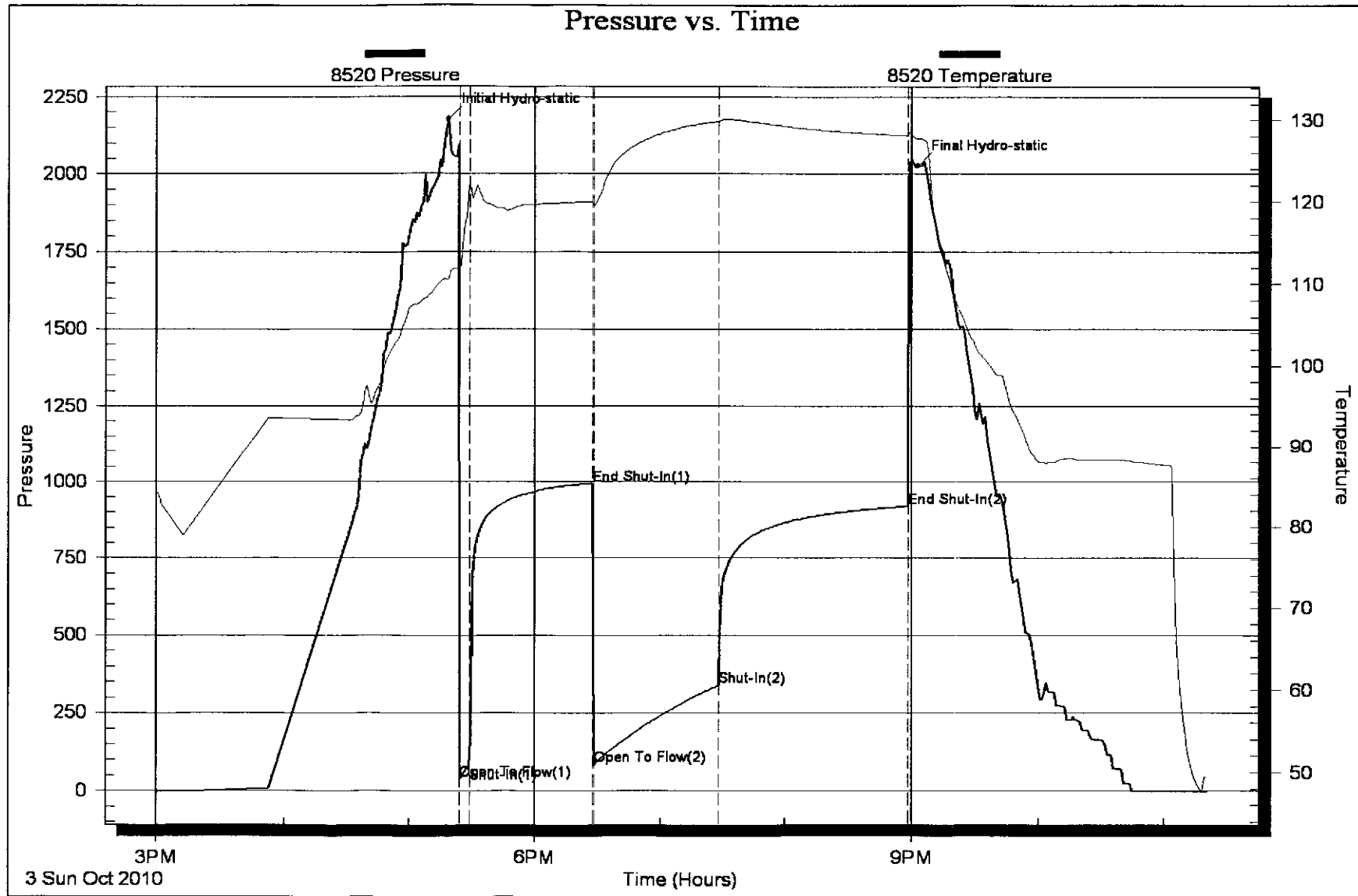
Num Gas Bombs: 0

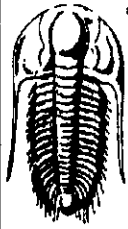
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .19 @ 75 = 38000





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

DaMar Res Inc  
234 W 11th Ste A  
Hays KS 67601  
ATTN: Dan Schippers

**Petersille #1**  
**14-20-24 Ness,KS**  
Job Ticket: 040357      **DST#: 2**  
Test Start: 2010.10.04 @ 12:11:41

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 14:06:56  
Time Test Ended: 18:18:56

Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 38

Interval: **4335.00 ft (KB) To 4427.00 ft (KB) (TVD)**  
Total Depth: **4427.00 ft (KB) (TVD)**  
Hole Diameter: 7.88 inches      Hole Condition: Good

Reference Elevations: 2335.00 ft (KB)  
2330.00 ft (CF)  
KB to GR/CF: 5.00 ft

## Serial #: 8354

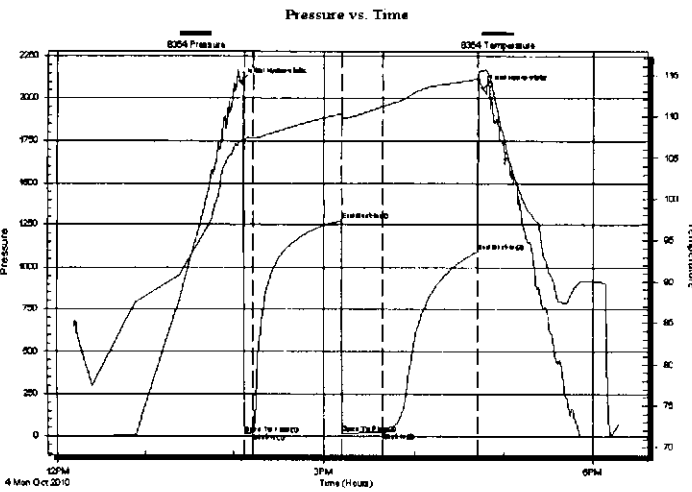
Inside

Press@RunDepth: 24.11 psig @ 4340.00 ft (KB)  
Start Date: 2010.10.04      End Date:  
Start Time: 12:11:42      End Time:

Capacity: 8000.00 psig  
Last Calib.: 2010.10.04  
Time On Btm: 2010.10.04 @ 14:04:11  
Time Off Btm: 2010.10.04 @ 16:45:26

TEST COMMENT: IF-Weak building to 1/2"

FF-Weak steady surface blow



## PRESSURE SUMMARY

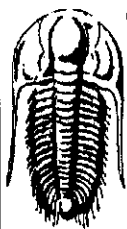
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.71	106.91	Initial Hydro-static
3	15.51	106.61	Open To Flow (1)
9	16.58	107.39	Shut-In(1)
68	1274.94	110.34	End Shut-In(1)
68	18.36	109.78	Open To Flow (2)
95	24.11	111.17	Shut-In(2)
159	1093.46	114.52	End Shut-In(2)
162	2060.74	115.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
19.00	Drig Mud	0.27
1.00	CO	0.01

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Res Inc

Petersille #1

234 W 11th Ste A  
Hays KS 67601

14-20-24 Ness,KS

Job Ticket: 040357

DST#: 2

ATTN: Dan Schippers

Test Start: 2010.10.04 @ 12:11:41

### 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in\*

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 4200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
19.00	Drig Mud	0.267
1.00	CO	0.014

Total Length: 20.00 ft

Total Volume: 0.281 bbl

Num Fluid Samples: 0

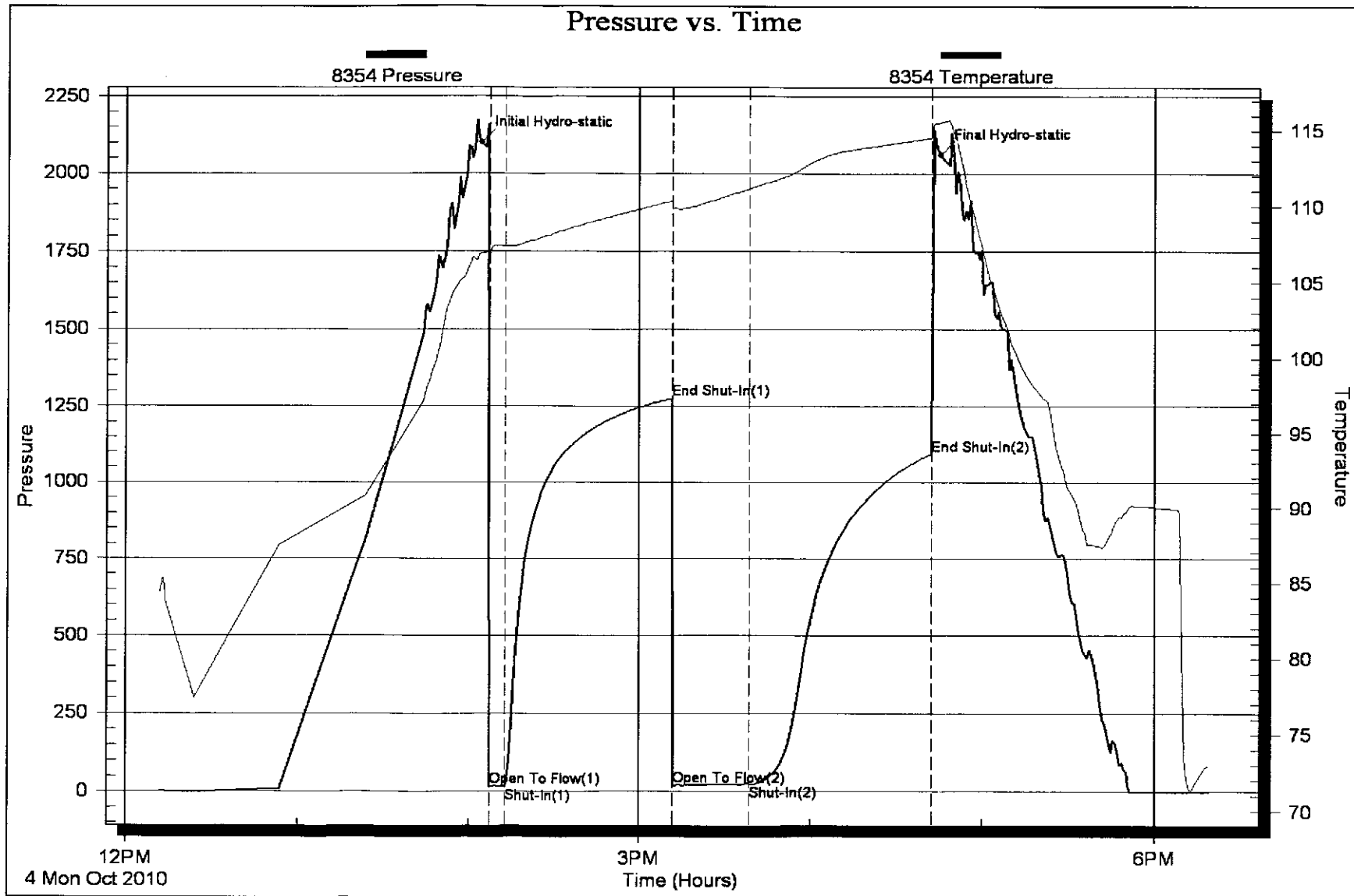
Num Gas Bombs: 0

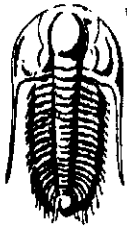
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

DaMar Res Inc  
234 W 11th Ste A  
Hays KS 67601  
ATTN: Dan Schippers

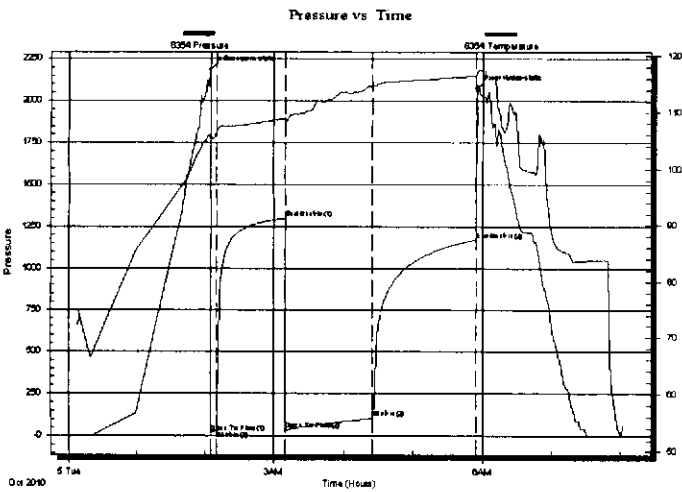
**Petersille #1**  
**14-20-24 Ness, KS**  
Job Ticket: 040358      DST#: 3  
Test Start: 2010.10.05 @ 00:07:50

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 02:05:35  
Time Test Ended: 08:03:05  
Interval: **4335.00 ft (KB) To 4439.00 ft (KB) (TVD)**  
Total Depth: **4439.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 38  
Reference Elevations: 2335.00 ft (KB)  
2330.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8354**      Inside  
Press@RunDepth: 103.36 psig @ 4341.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.10.05      End Date: 2010.10.05      Last Calib.: 2010.10.05  
Start Time: 00:07:51      End Time: 08:03:05      Time On Btm: 2010.10.05 @ 02:04:35  
Time Off Btm: 2010.10.05 @ 05:54:50

TEST COMMENT: IF-Weak building to 1 1/2"  
FF-Weak building to 3"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.16	106.03	Initial Hydro-static
1	19.92	104.98	Open To Flow (1)
6	31.33	106.85	Shut-In(1)
66	1296.18	108.99	End Shut-In(1)
66	33.09	108.49	Open To Flow (2)
141	103.36	114.68	Shut-In(2)
230	1170.63	116.54	End Shut-In(2)
231	2074.93	116.92	Final Hydro-static

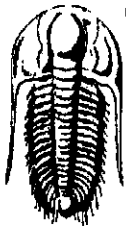
## Recovery

Length (ft)	Description	Volume (bbl)
145.00	OCM 30%o 70% m	2.03
50.00	CO	0.70
0.00	155 GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

DaMar Res Inc

**Petersille #1**

234 W 11th Ste A  
Hays KS 67601

**14-20-24 Ness,KS**

Job Ticket: 040358

**DST#: 3**

ATTN: Dan Schippers

Test Start: 2010.10.05 @ 00:07:50

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
145.00	OCM 30%o 70%m	2.034
50.00	CO	0.701
0.00	155 GIP	0.000

Total Length: 195.00 ft

Total Volume: 2.735 bbl

Num Fluid Samples: 0

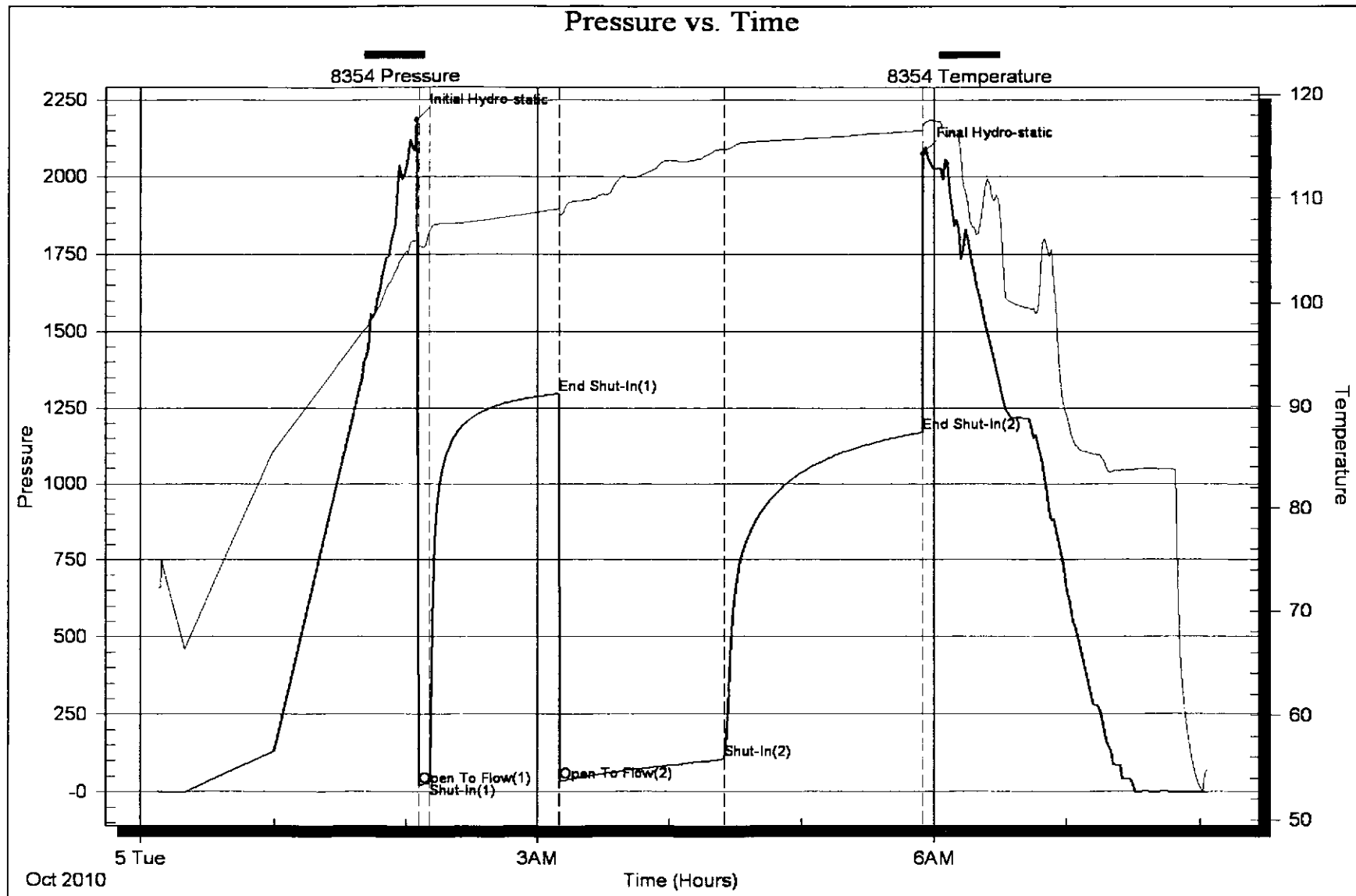
Num Gas Bombs: 0

Serial #:

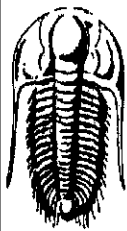
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE**  
**TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

DaMar Res Inc

Petersille #1

234 W 11th Ste A  
Hays KS 67601

14-20-24 Ness,KS

Job Ticket: 040359

DST#: 4

ATTN: Dan Schippers

Test Start: 2010.10.05 @ 13:53:30

### 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	Sltly OCGsyM 5%g 3%o 92%m	2.525
0.00	60 GIP	0.000

Total Length: 180.00 ft

Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

