

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

1-3-14
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 # 4058
Name: American Warrior Inc.
Address 1: P.O. Box 399
Address 2: _____
City: Garden City State: Ks. Zip: 67846 + _____
Contact Person: Jody Smith
Phone: (620) 275-2963
CONTRACTOR: License # 33350
Name: Southwind Drilling Inc.
Wellsite Geologist: Jason Alm
Purchaser: NCRA

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

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

Well Name: _____

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

11/18/11	12/2/11	12/28/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 135-25319 -0000
Spot Description: _____
E/2 W/2 SW Sec. 11 Twp. 20 S. R. 24 East West
1,450 Feet from North / South Line of Section
950 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Petersilie Well #: 3-11
Field Name: Petersilie North
Producing Formation: Mississippian
Elevation: Ground: 2327' Kelly Bushing: 2336
Total Depth: 4525 Plug Back Total Depth: 4490
Amount of Surface Pipe Set and Cemented at: 776 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1603 Feet
If Alternate II completion, cement circulated from: 1603
feet depth to: surface w/ 120 _____ cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 15,000 ppm Fluid volume: 800 bbls
Dewatering method used: Hauled off
Location of fluid disposal if hauled offsite: _____
Operator Name: American Warrior Inc.
Lease Name: Borger License #: 4058
Quarter NE Sec. 3 Twp. 21 S. R. 25 East West
County: Hodgeman Permit #: D-30821

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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: Foreman Date: 12/30/11

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Letter of Confidentiality Received
Date: 1/3/12 - 1/3/14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: [Signature] Date: 1-11-12

Operator Name: American Warrior Inc. Lease Name: Petersilie Well #: 3-11
 Sec. 11 Twp. 20 S. R. 24 East West County: Ness

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

List All E. Logs Run:

CNL/CDL,DIL,MEL,BHCS

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhy	1575'	+761
B/Anhy	1619'	+717
Heebner	3748'	-1412
Lansing	3794'	-1458
Pawnee	4243'	-1907
Cherokee	4342'	-2006
Mississippian	4434'	-2095

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	121/4	85/8	23#	776'	Class A	475	3%CC,2%gel
Production	77/8	51/2	17#	4515	EA-2	125sx	

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4455'to 4460'	500 gal 15%MCA	
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TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:	
		23/8	4487	None	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CONFIDENTIAL
Date of First, Resumed Production, SWD or ENHR.			Producing Method:			
NA			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u>JAN 03 2014</u>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	18	0	45		KCC	

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4)	4455'to 4460'
	<input type="checkbox"/> Other (Specify) _____	

Geological Report

American Warrior Inc.
Petersilie #3-11
1450' FSL & 950' FWL
Sec. 11 T20s R24w
Ness County, Kansas



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American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Petersilie #3-11
1450' FSL & 950' FWL
Sec. 11 T20s R24w
Ness County, Kansas
API # 15-135-25319-0000

Drilling Contractor: Southwind Drilling, Inc. Rig #2

Geologist: Jason Alm

Spud Date: November 18, 2011

Completion Date: December 2, 2011

Elevation: 2327' Ground Level
2336' Kelly Bushing

Directions: Ness City, South on Hwy 283 7 mi. to 60 rd. West
on 60 rd. 3 mi. South 1 ½ mi. East into location.

Casing: 777' 8 5/8" surface casing
4525' 5 1/2" production casing

Samples: 10' wet and dry, 4100' to RTD

Drilling Time: 3600' to RTD

Electric Logs: Log-Tech, Inc. "Chris DeSaire"
CNL/CDL, DIL, MEL, BHCS

Drillstem Tests: Two, Trilobite Testing, Inc. "Will MacLean"

Problems: During short trip for DST #1, crown of rig lost a
bearing in its fast sheave resulting in downtime for
repairs.

Remarks: None

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Formation Tops

Formation	American Warrior, Inc. Petersilie #3-11 Sec. 11 T20s R24w 1450' FSL & 950' FWL
Anhydrite	1575', +761
Base	1619', +717
Heebner	3748', -1412
Lansing	3794', -1458
Stark	4060', -1724
BKc	4157', -1821
Marmaton	4166', -1830
Pawnee	4243', -1907
Fort Scott	4318', -1982
Cherokee	4342', -2006
Mississippian	4434', -2095
RTD	4520', -2184
LTD	4526', -2190

Sample Zone Descriptions

Mississippian

(4434', -2095): Covered in DST #1,2

Dolo – Fine sucrosic crystalline with poor to good vuggy porosity, light to fair scattered oil stain and saturation in porosity, good show of free oil, good odor, good spotted yellow fluorescents, 35 units hotwire.

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Drill Stem Tests
Trilobite Testing Inc.
"Will MacLean"

DST #1

Mississippian

Interval (4381' - 4445') Anchor Length 64'

IHP	- 2165 #	
IFP	- 45" - B.O.B. 38 min.	28-51 #
ISI	- 45" - Dead	877 #
FFP	- 45" - Built to 3 ¼ in.	53-68 #
FSI	- 45" - Dead	572 #
FHP	- 2109 #	
BHT	- 116°F	

Recovery: 186' GIP
77' GCO
62' GOCM 15% Oil

DST #2

Mississippian

Interval (4445' - 4455') Anchor Length 10'

IHP	- 2197 #	
IFP	- 45" - Built to 2 ¼ in.	15-33 #
ISI	- 45" - Dead	1096 #
FFP	- 45" - Built to 2 in.	37-50 #
FSI	- 45" - Dead	960 #
FHP	- 2067 #	
BHT	- 124°F	

Recovery: 62' GIP
50' GCO
43' GOCM 5% Oil

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Structural Comparison

	American Warrior, Inc. Petersilie #3-11 Sec. 11 T20s R24w 1450' FSL & 950' FWL	American Warrior, Inc. Petersilie Unit #1 Sec. 14 T20s R24w 280' FNL & 1128' FWL		Leben Drilling, Inc. Petersilie C #1 Sec. 11 T20s R24w NE SW SW	
Formation					
Anhydrite	1575', +761	1569', +766	(-5)	NA	NA
Base	1619', +717	1606', +729	(-12)	NA	NA
Heebner	3748', -1412	3731', -1396	(-16)	3742', -1409	(-3)
Lansing	3794', -1458	3776', -1441	(-17)	3790', -1457	(-1)
Stark	4060', -1724	4039', -1704	(-20)	NA	NA
BKc	4157', -1821	4140', -1805	(-16)	NA	NA
Marmaton	4166', -1830	4150', -1815	(-15)	NA	NA
Pawnee	4243', -1907	4225', -1890	(-17)	NA	NA
Fort Scott	4318', -1982	4297', -1962	(-20)	NA	NA
Cherokee	4342', -2006	4323', -1988	(-18)	NA	NA
Mississippian	4434', -2095	4411', -2076	(-19)	4439', -2106	(+11)

Summary

The location for the Petersilie #3-11 well was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. Two drill stem tests were conducted both of which recovered small amounts of oil with poor pressures. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Petersilie #3-11.

Recommended Perforations

Primary:		
Mississippian	(4455' – 4460')	DST #2
Secondary:		
Mississippian	(4438' – 4442')	DST #1
Perf and Squeeze:	(4464' – 4466')	

Respectfully Submitted,

Jason T. Alm
Hard Rock Consulting, Inc.

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CHARGE TO: American Warrior

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

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TICKET No 22506

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>3-11</u>	LEASE <u>Peteesile</u>	COUNTY/PARISH <u>Hodgeman</u>	STATE <u>KS</u>	CITY <u>Ness City</u>	DATE <u>2 DEC 11</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>SOUTHWIND</u>	RIG NAME/NO.	SHIPPED <u>VET</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>connect long string</u>	WELL PERMIT NO.	WELL LOCATION <u>11-20-24W</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE TRK 114	20	mi			6.00	180	00
578		1			Pump Charge	1	ea			1500.00	1500	00
402		1			Centralizer	5 1/2	in	9	ea	70.00	630	00
403		1			Cement Bucket	5 1/2	in	2	ea	250.00	500	00
404		1			Port collar	5 1/2	in	1	ea	2400.00	2400	00
406		1			Latch down ply & baffle	5 1/2	in	1	ea	250.00	250	00
407		1			INSERT float shoe w/ AUTO FILL	5 1/2	in	1	ea	350.00	350	00
419		1			Rotating head Rental	5 1/2	in	1	ea	200.00	200	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 William Andrew

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	PAGE TOTAL 1	5957.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	5274.25
WE UNDERSTOOD AND MET YOUR NEEDS?				sub-total	11221.25
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Tax 6.3%	567.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	11,788.33
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					



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

TICKET CONTINUATION

TICKET No. 22506

CUSTOMER American Warrior WELL 3-1 Petersile DATE 2 DEC 11 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY/REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT PRICE		AMOUNT
		LOC	ACCT	OF			QTY	U/M	QTY	U/M	
325		1				Standard cement (for EA-2)	175	sk	13	50	2302.50
284		1				calseal	800	lb	8	sk	280.00
283		1				salt	900	lb			180.00
292		1				halal 322	125	lb	7	75	968.75
276		1				floacle	50	lb	2	00	100.00
290		1				D-AIR	3	gal	35	00	105.00
281		1				mud flush	500	gal	1	25	625.00
221		1				KCL liquid	2	gal	25	00	50.00
582		1				Procase (min)	1	24	250	00	250.00
581		1				SERVICE CHARGE	175		2	00	350.00
						MILEAGE CHARGE	10325				
						TOTAL WEIGHT					
						LOADED MILES	20				
						TON MILES					

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CONTINUATION TOTAL 527.25

JOB LOG

SWIFT Services, Inc.

DATE 2 DEC 11 PAGE NO.

CUSTOMER American West Drilling WELL NO. 3-11 LEASE Petersite JOB TYPE cement long string TICKET NO. 22506

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 w/ 1/4" floccle
								104 sks 17" 5/2" casing 4525.66'
								Post collar #69 1605'
								Contractions 1,2,3,4,5,6,7 68, 70
								Bistot #4, 68
	1700							on loc TRK 114
	1800							Start 17" 5/2 casing in well
	2015							Dropball circulate - ROTATE
	2050	4 3/4	12			200		Pump 500 gal mud flush
		4 3/4	20			200		Pump 20 bbl KCL flush
	2100		7					Plug RH - MH 30 sks 20 sks
	2110	4 3/4	35			300		Mix EA-2 cement 185 sks @ 15.3 ppg
	2125							Drop latch down plug
								wash pump 1/2 line
	2130	6 3/4				200		Displace plug
		6 3/4	95			800		
	2145	6 3/4	105			1600		Land plug
								Release pressure to truck - dined up
	2150							wash truck
								Rack up
	2220							job complete
								Thanks
								Blaine Weyer, David & Joe

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CHARGE TO: AMERICAN WARRIOR
 ADDRESS:
 CITY, STATE, ZIP CODE:

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TICKET No 22543

PAGE 1 OF

SERVICE LOCATIONS: 1. NESS CITY, KS
 WEL/PROJECT NO.: PETERSICLE 3-11
 LEASE: NESS
 COUNTY/PARISH: NESS
 STATE: KS
 CITY: NESS CITY, KS
 DATE: 8 DEC 11
 OWNER:
 TICKET TYPE: SERVICE SALES
 CONTRACTOR: AMERICAN WARRIOR
 RIG NAME/NO.:
 SHIPPED VIA:
 DELIVERED TO:
 ORDER NO.:
 WELL TYPE: OIL
 WELL CATEGORY: DEVELOPMENT
 JOB PURPOSE: PERFSQUEEZE / PORT COLLAR
 WELL PERMIT NO.:
 WELL LOCATION: 9S, 3W, 1/4 N, E/S INTO
 REFERRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
575					MILEAGE #110	15	mi		6.00	90.00
578					Pump CHARGE.	1	FR	4465	1500.00	1500.00
276					FLOCELE	30	lbs		2.00	60.00
290					D-AIR	2	gal		35.00	70.00
300					REGULAR ACID	250	gal	15%	1.75	437.50
235					LWHIB-1	1/2	gal		35.00	17.50
105					PORT COLLAR OPENING TOOL	1	TOB		350.00	350.00
2810					HALAD-1	30	lbs		7.50	225.00
325					STANDARD CEMENT	50	bx		13.50	675.00
330					SWIFT MULTI DENSITY	120	bx		16.50	1980.00
581					SERVICE CHARGE CEMENT	250	bx		2.00	500.00
582					MINIMUM DRAYAGE	244.34	lbs	183.25	250.00	250.00

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

X
 DATE SIGNED: 8 Dec 11
 TIME SIGNED: 1700
 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	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				61.55
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7.55 TAX 6.3%
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		211.68
<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: *[Signature]*

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE PETERSVILLE 3-11

JOB TYPE PERFS SQUEEZE/PORT COLLAR

TICKET NO. 22543

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0915							ON LOCATION
								PACKER @ 4465
								PERFS @ 4464-65
	1059		18 1/2	✓				CIRCULATE 120 ACID TO BOTTOM 6 ACID-12 1/2 Flush
								Pull PACKER TO 4353
	1119					1200		TREAT WELL - STAGING.
		1	19	✓		1000		TREATING.
		1 1/2	21	✓		1000		
		2	22	✓		1300		
	1128	Ø	24	✓		600		
	1136				✓			500 LOAD ANNULUS SHUT IN.
	1140	1 3/4		✓		1000		TAKE INJECTION RATE.
	1145	2	10 1/2			800		MIX 50 SX STO W/FIRST 30 SX W/HALAD
	1155							WASH OUT PUMPING LINES.
	1158	2		✓		800		START DISPLACEMENT
	1212	-	17	✓		1500		SHUT WELL IN.
	1214							WASH TRUCK
	1246							STAGING
	1340			✓		1500		RELEASE PSI DRY
	1343	3	27	✓		400		REVERSE CEMENT OUT
								Pull TUBING.
								Run TUBING.
								PORT COLLAR @ 1603
	1546			✓		1000		TEST HELD
	1551	3		✓		400		OPEN PORT COLL TAKE INJECTION RATE
	1553	4	6 1/2	✓		600		MIX 120 SX SMD
		3	5 1/2	✓		300		DISPLACE CEMENT
								CIRCULATE 20 SX TO PIT
	1614			✓		1000		RE CLOSE PORT COLLAR TEST HELD
								Run 4 JIS.
	1626	3	18	✓		300		REVERSE CEMENT OUT
	1628							WASH TRUCK
	1700							JOB COMPLETE
								THANKS B11D
								JASON JEFF JOE

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ALLIED CEMENTING CO., LLC. 037306

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

SERVICE POINT:
Cement Blend

DATE <u>11-19-11</u>	SEC. <u>11</u>	TWP. <u>20S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 PM</u>	JOB FINISH <u>4:45 PM</u>
LEASE <u>Peterville</u>	WELL # <u>3-11</u>		LOCATION <u>West City South To 40th RD</u>		COUNTY <u>ALCO</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>West To P RD 40th to East to</u>				

CONTRACTOR
TYPE OF JOB Surface
HOLE SIZE 12 1/4 T.D. 777
CASING SIZE 8 3/4 24# DEPTH 776.42
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 400 MINIMUM
MEAS. LINE SHOE JOINT 42.25
CEMENT LEFT IN CSG. 42.25
PERFS.
DISPLACEMENT 46.75 BBS

OWNER
CEMENT
AMOUNT ORDERED 475 SX Class A + 3% + 2% Gel
used 400 SX
COMMON @
POZMIX @
GEL @
CHLORIDE @
ASC @

EQUIPMENT

PUMP TRUCK CEMENTER Wayne-Davis
366 HELPER Bob-R
BULK TRUCK
344/170 DRIVER Greg
BULK TRUCK
DRIVER

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REMARKS:
Pipe on bottom - Break circulation
with Rig mud
Ran 5 BBS fresh water - Ahead
Mix 425 SX class A + 3% + 2% Gel
Shut Down - Release - Plus
Displace 46.75 BBS fresh water
Initial Plug at 400 P.S. Shut in
Cement did circulate - Rig Down

CHARGE TO: American wall
STREET
CITY STATE ZIP

TOTAL

SERVICE

DEPTH OF JOB 776.42
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
MANIFOLD @
TOTAL

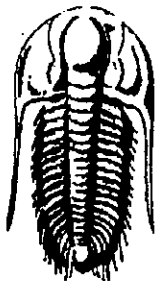
PLUG & FLOAT EQUIPMENT

~~Plate~~ @
~~Plate~~ @
TOTAL

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

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 William Sanders
SIGNATURE William Sanders



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior**
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Petersilie #3-11

11-20s-24w Lane,KS

Start Date: 2011.11.30 @ 20:39:00

End Date: 2011.12.01 @ 04:22:30

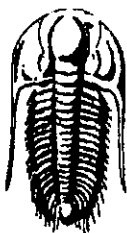
Job Ticket #: 44904 DST #: 1

CONFIDENTIAL

JAN 03 2014

KCC

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

11-20s-24w Lane,KS

Petersilie #3-11
Job Ticket: 44904 DST#: 1
Test Start: 2011.11.30 @ 20:39:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 22:33:45
Time Test Ended: 04:22:30

Interval: **4381.00 ft (KB) To 4445.00 ft (KB) (TVD)**
Total Depth: **4445.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

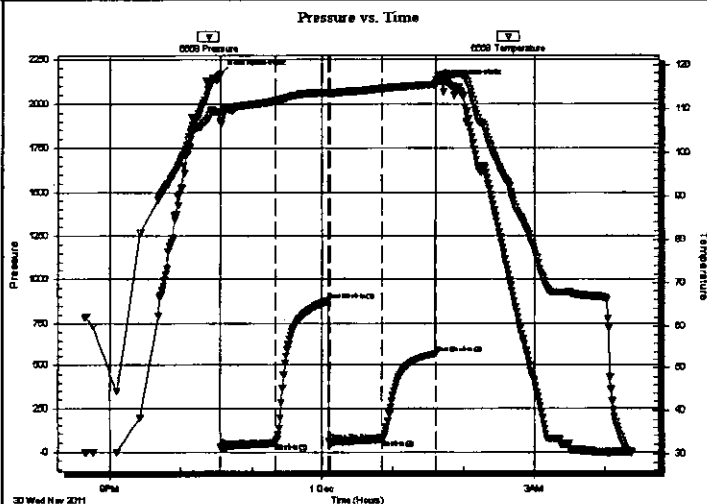
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Will MacLean**
Unit No: **48**

Reference Elevations: **.2336.00 ft (KB)**
2327.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6668 **Outside**
Press@RunDepth: **67.81 psig @ 4383.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.11.30** End Date: **2011.12.01** Last Calib.: **2011.12.01**
Start Time: **20:39:00** End Time: **04:22:30** Time On Btm: **2011.11.30 @ 22:33:15**
Time Off Btm: **2011.12.01 @ 01:37:00**

TEST COMMENT: IF- Surface Blow Built to BOB in 38 min
ISI- No Blow
FF- Surface Blow Built to 3 1/4"
FSI- No Blow

PRESSURE SUMMARY



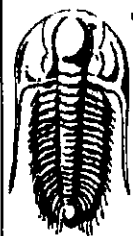
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.19	108.91	Initial Hydro-static
1	28.20	107.13	Open To Flow (1)
47	51.48	111.83	Shut-In (1)
92	877.20	113.61	End Shut-In (1)
93	53.97	113.44	Open To Flow (2)
138	67.81	114.56	Shut-In (2)
183	572.53	115.48	End Shut-In (2)
184	2109.10	116.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 5%g 15%oil 80%rm	0.87
77.00	GO 10%g 90%oil	1.08
0.00	186' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

11-20s-24w Lane,KS

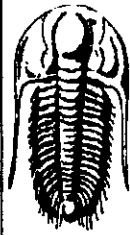
Petersilie #3-11
Job Ticket: 44904 DST#: 1
Test Start: 2011.11.30 @ 20:39:00

Tool Information

Drill Pipe:	Length: 4360.00 ft	Diameter: 3.80 inches	Volume: 61.16 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 28000.00 lb
		<u>Total Volume:</u>	<u>61.16 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4381.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			4354.00	
Shut In Tool	5.00			4359.00	
Hydraulic tool	5.00			4364.00	
Jars	5.00			4369.00	
Safety Joint	3.00			4372.00	
Packer	5.00			4377.00	28.00 Bottom Of Top Packer
Packer	4.00			4381.00	
Stubb	1.00			4382.00	
Perforations	1.00			4383.00	
Recorder	0.00	8358	Inside	4383.00	
Recorder	0.00	6668	Outside	4383.00	
Perforations	24.00			4407.00	
Change Over Sub	1.00			4408.00	
Drill Pipe	31.00			4439.00	
Change Over Sub	1.00			4440.00	
Perforations	0.00			4440.00	
Bullnose	5.00			4445.00	64.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

11-20s-24w Lane,KS

Petersilie #3-11
Job Ticket: 44904 **DST#: 1**
Test Start: 2011.11.30 @ 20:39:00

Mud and Cushion Information

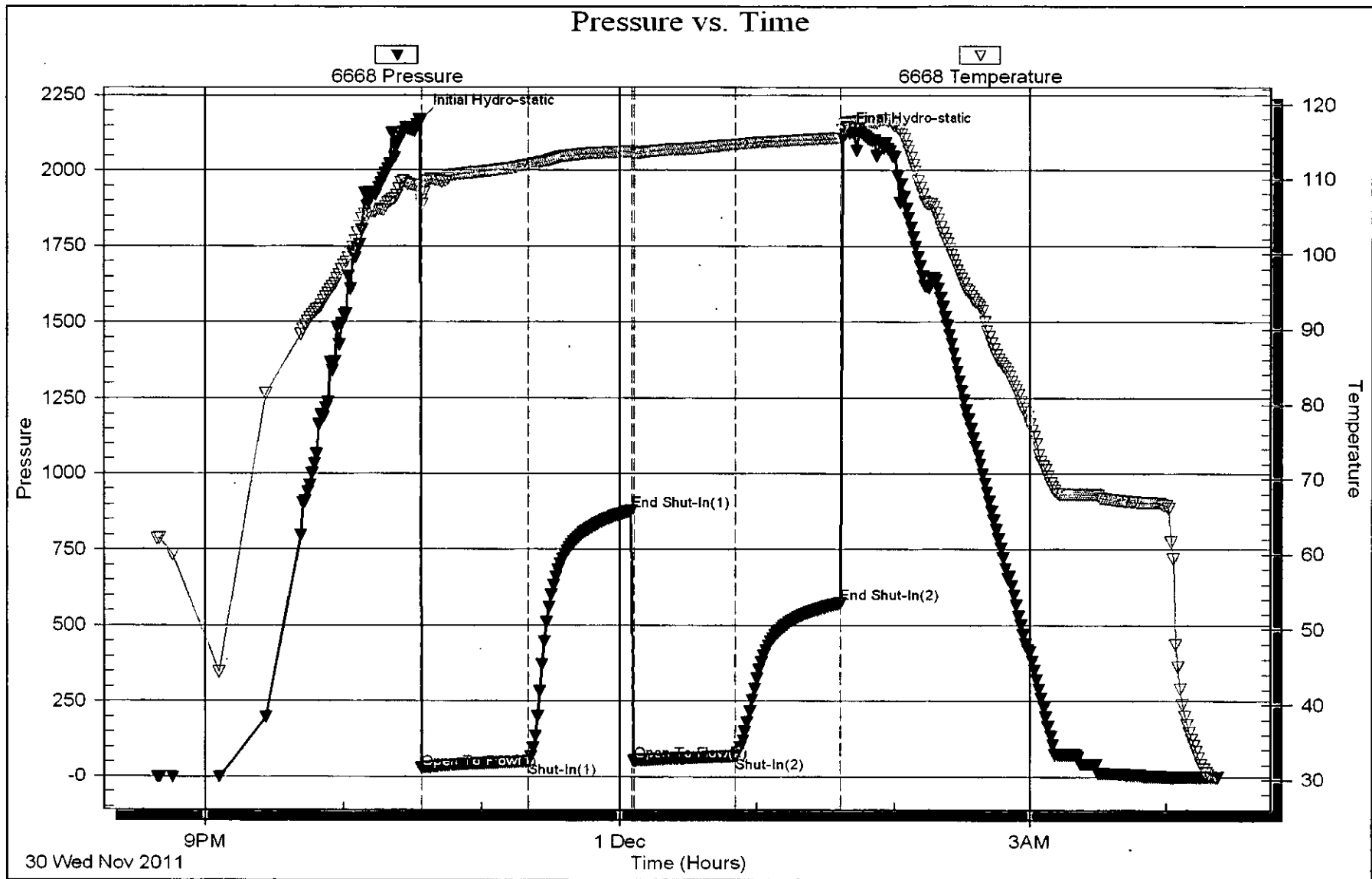
Mud Type: Gel Chem	Cushion Type:	Oil API:	39 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Satinity:	ppm
Viscosity: 102.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6400.00 ppm			
Filter Cake: 2.00 inches			

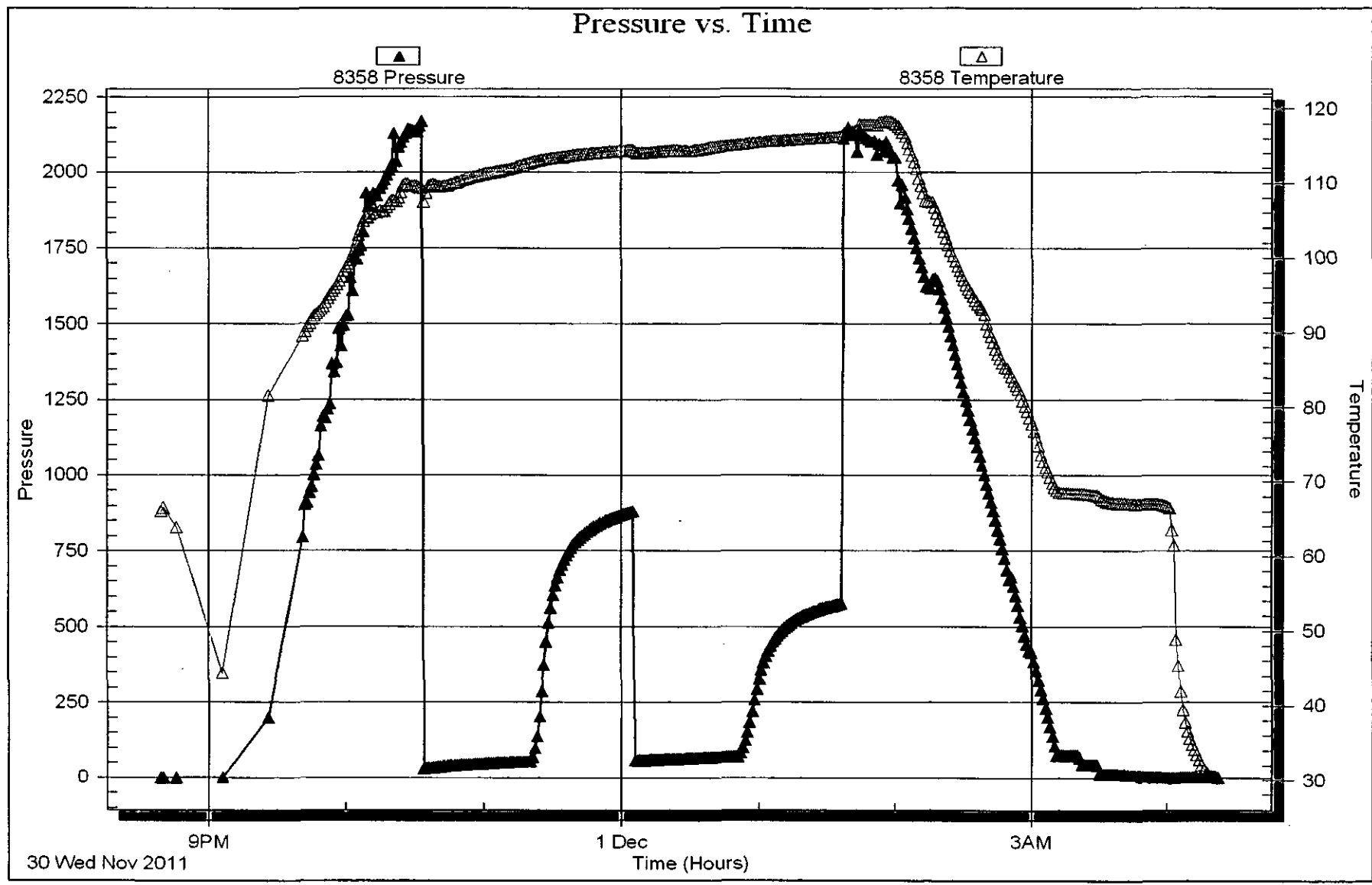
Recovery Information

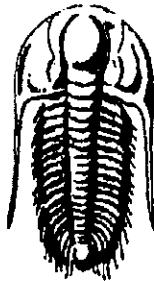
Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM 5%g 15%oil 80%w	0.870
77.00	GO 10%g 90%oil	1.080
0.00	186' GIP	0.000

Total Length: 139.00 ft Total Volume: 1.950 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API is 37 @ 40f = 39







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Warrior**
PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Petersilie #3-11

11-20s-24w Lane,KS

Start Date: 2011.12.01 @ 11:51:00

End Date: 2011.12.01 @ 18:43:30

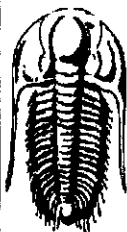
Job Ticket #: 44905 DST #: 2

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Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011,12.06 @ 08:27:43

American Warrior 11-20s-24w Lane,KS Petersilie #3-11 DST # 2 Mississippi 2011.12.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
P.O Box 399
Garden City KS 67846
ATTN: Jason Alm

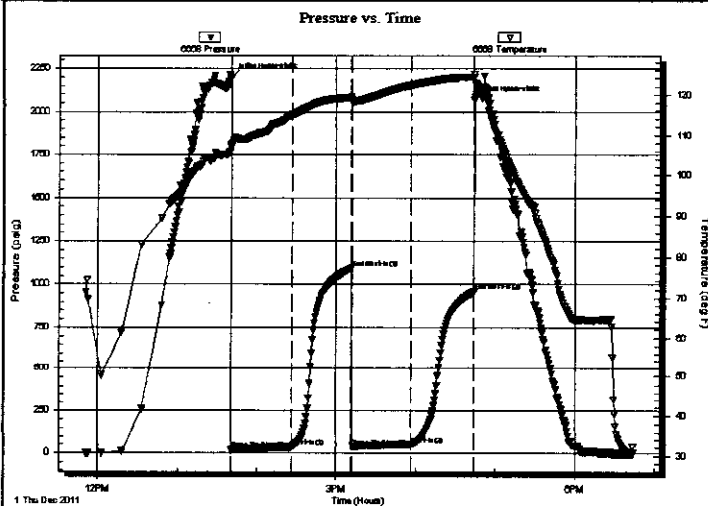
11-20s-24w Lane Co
Petersilie #3-11
Job Ticket: 44905 DST#: 2
Test Start: 2011.12.01 @ 11:51:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 13:40:15
Time Test Ended: 18:43:30
Interval: **4445.00 ft (KB) To 4455.00 ft (KB) (TVD)**
Total Depth: **4455.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Will MacLean**
Unit No: **48**
Reference Elevations: **2336.00 ft (KB)**
2327.00 ft (CF)
KB to GR/CF: **9.00 ft**

Serial #: 6668 **Outside**
Press@RunDepth: **50.16 psig @ 4446.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.12.01** End Date: **2011.12.01** Last Calib.: **2011.12.01**
Start Time: **11:51:00** End Time: **18:43:30** Time On Btm: **2011.12.01 @ 13:40:00**
Time Off Btm: **2011.12.01 @ 16:44:15**

TEST COMMENT: IF- Weak Surface Blow Blow Built to 2 1/4"
IS- No Blow
FF- Weak Surface Blow Built to 2"
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.42	107.54	Initial Hydro-static
1	15.87	107.15	Open To Flow (1)
46	33.76	115.06	Shut-In(1)
92	1096.49	119.29	End Shut-In(1)
93	37.74	118.45	Open To Flow (2)
137	50.16	122.40	Shut-In(2)
184	960.45	124.38	End Shut-In(2)
185	2067.10	125.12	Final Hydro-static

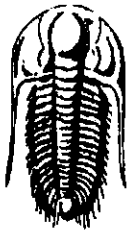
Recovery

Length (ft)	Description	Volume (bbl)
43.00	GOCM 2%g 5%oil 93%m	0.60
50.00	GO 5%g 95%oil	0.70
0.00	62' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior
P.O Box 399
Garden City KS 67846
ATTN: Jason Alm

11-20s-24w Lane Co
Petersilie #3-11
Job Ticket: 44905 **DST#: 2**
Test Start: 2011.12.01 @ 11:51:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	37 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 102.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
43.00	GOCM 2%g 5%oil 93%m	0.603
50.00	GO 5%g 95%oil	0.701
0.00	62' GP	0.000

Total Length: 93.00 ft Total Volume: 1.304 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API is 35 @ 40f = 37

