



KANSAS CORPORATION COMMISSION 1048053  
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 # 4058  
Name: American Warrior, Inc.  
Address 1: 3118 Cummings Rd  
Address 2: PO BOX 399  
City: GARDEN CITY State: KS Zip: 67846 +  
Contact Person: Scott Corsair  
Phone: ( 785 ) 398-2270  
CONTRACTOR: License # 31548  
Name: Discovery Drilling  
Wellsite Geologist: Jason Alm  
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 #: \_\_\_\_\_  
01/30/2010    02/06/2010    08/02/2010  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-135-25020-00-00  
Spot Description: \_\_\_\_\_  
NE SW SE NE Sec. 31 Twp. 18 S. R. 21  East  West  
2,150 Feet from  North /  South Line of Section  
900 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Ness  
Lease Name: Schniepp Well #: 1-31NE  
Field Name: Bazine Dry Creek  
Producing Formation: Mississippian  
Elevation: Ground: 2123 Kelly Bushing: 2131  
Total Depth: 4243 Plug Back Total Depth: 4242  
Amount of Surface Pipe Set and Cemented at: 1383 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 26000 ppm Fluid volume: 240 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: American Warrior, Inc.  
Lease Name: Strecker License #: 4058  
Quarter SW Sec. 06 Twp. 19 S. R. 21  East  West  
County: Ness Permit #: D19026

AFFIDAVIT

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

Submitted Electronically

**KCC Office Use ONLY**

Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 12/15/2010

*Rocel*



1048053

Operator Name: American Warrior, Inc. Lease Name: Schniepp Well #: 1-31NE  
 Sec. 31 Twp. 18 S. R. 21  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Induction, Compensated Dual Porosity Dual Receiver Cement Bond	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
--	--

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	1383	SMD	470	1/4# Flocele
Production	7.875	5.5	15.5	4242	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 checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-2200	SMD	125	1/4# Flocele
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	4233.5-4241.5		

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4230</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>08/02/2010</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>10</u>	Gas Mcf	Water Bbls. <u>65</u> Gas-Oil Ratio _____ Gravity <u>39</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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4233.5-4241.5</u>
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Schniepp 1-31NE
Doc ID	1048053

Tops

Anhydrite	1375	+756
Heebner	3600	-1469
Lansing	3646	-1515
BKC	3968	-1837
Pawnee	4047	-1916
Ft. Scott	4129	-1998
Cherokee	4144	-2013
Mississippian	4220	-2089
LTD	4343	-2112



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

TICKET  
17403

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Ness, KS	1-21 NE	Schnoipp	Ness	Ks		1-1-79	
2. Ness, KS	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	Desouze	# 2	PT	SE/ROZING, K		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE # 113	25	mi		500	125.00
576 D		1			Pump Charge - Drop Surface	1	ea	1393	A	1193.00
790		1			D-dip	5	gal		3500	175.00
271		1			Liquid KCL	3	gal		2500	500.00
271		1			<del>300 gal</del> Alcohol Alcohol	500	gal		1.00	500.00
410		1			Top Plus	1	ea	27	in	110.00
417		1			Ballin. Plaster	1	ea	27	in	100.00
409		1			Turbolizer Cont.	4	ea	35	in	360.00

**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 \_\_\_\_\_  
 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

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	1/1
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1/2	1193.00
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					1193.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

**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!

JOB LOG

SWIFT Services, Inc.

DATE 1-31-70 PAGE NO. 7

CUSTOMER American Wax Prod WELL NO. 1-31 NE LEASE Schnoipp JOB TYPE Cement Surface TICKET NO. 17403

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							On location - Fin changing 200' to run 2 5/8" 27#1/2 cas to 120'
	1300							Start casing - Fettle 53 25' 1/2' Cent. 1-3-8-78
	0545							Fin from casing
	0455							Start cir casing
	0550							Fin cir
								Pump # 5007HL 11 cord fluid
								Pump 20 EBI KCL fluid
		5	46			200		Mix 100 SKS <sup>SMID</sup> @ 11.8 #/gal
		5	41			200		Mix 100 SKS <sup>SMID</sup> @ 12.3 #/gal
		4 1/2	47			200		Mix 157 SKS <sup>SMID</sup> @ 12.5 #/gal
		4	36			150		Mix 100 SKS <sup>SMID</sup> @ 14.5 #/gal
			1103 TOTAL					Fin cent
		5 1/2				250		Release Top Plug
	0700		96 1/2			600		Start Displ 410 SKS
	0705					310		Fin Displ - 50 EBI cent cir
	0710							Close in
								Job complete
								Wash up & Pack up Tubs
								Hand, Hand & Fuel



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

TICKET CONTINUATION

TICKET No. 17-103

CUSTOMER *American Waterworks* WELL *Schnepf 1-31 NE* DATE *1-21-01* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	QUANTITY	UNIT	DESCRIPTION	CUBIC FEET		DATE	PAGE	OF	AMOUNT
					ACT	EST				
320		2		SMD Cement	470	SK	1-21-01	2	2	1570.00
276		2		Florence	112	lbs	1-21-01	2	2	177.00
551		2		SERVICE CHARGE <i>Cement</i>						705.00
273		2		TOTAL WEIGHT <i>116 770 lbs</i>						504.63
				LOADED MILES <i>25</i>						

CONTINUATION TOTAL *7076.63*



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

TICKET  
 18315

PAGE 1 OF 2

1. SERVICE LOCATIONS LAKE CITY KS	WELL/PROJECT NO. 1-21N	LEASE SCHEDULE	COUNTY/PARISH NESS CO	STATE KS	CITY EUSTACE KS	DATE 02/26/10	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR TERRACE	RIG NAME/NO. #3	SHIPPED VIA	DELIVERED TO 25.00110, 12.0022, 1	ORDER NO. N.R. 1004.2 N. 0.10	
3.	WELL TYPE 1-21N	WELL CATEGORY PRODUCTION	JOB PURPOSE 5 1/2" LEAD SERVICE	WELL PERMIT NO.	WELL LOCATION see 31-173-21N		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
475		1			MILEAGE 110	1		20		5.00	100.00
578		1			PUMP CHARGES	1				1400.00	1400.00
221		1			LEASED RCL	2				25.00	50.00
281		1			12" DR FLUSH	5				1.00	5.00
290		1			D-11TR	2				35.00	70.00
402		1			CONTRACTOR	5	1/2			35.00	175.00
403		1			CONTRACTOR	5	1/2	1		190.00	190.00
406		1			WATCH DOWN BULL PAPER	5	1/2	1		225.00	225.00
407		1			TRUCK FUEL SURCHARGE	5	1/2	1		275.00	275.00
419		1			CONTRACTOR HAND TRUCK	5	1/2	1		150.00	150.00

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

X *[Signature]*

DATE SIGNED: 02/26/10 TIME SIGNED: 3:00 P.M.

**REMIT PAYMENT TO:**

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

<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE 1	2280.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE 2	3750.00
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	6030.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR: *[Signature]* APPROVAL: *[Signature]*

**Thank You!**



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

TICKET CONTINUATION

TICKET No. 18316

CUSTOMER: American Wagon Line  
WELL: 1-31NE SCHNEPP  
DATE: 02 06 10  
PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNITS PRICE	AMOUNT		
		CO	DEPT	TR			AT	LINE	QTY	UNIT				
325		1				STANDARD CEMENT	175	SKS			11	00	1925	00
276		1				FLOCCLE	250	165	2	SKS	1	50	75	00
283		1				SALT	900	165	18	SKS	0	15	135	00
284		1				CALSON	800	165	8	SKS	30	00	240	00
292		1				HALLAD 322	125	165	2	SKS	6	50	812	50
581		1				SERVICE CHARGE								
582		1												
						TOTAL WEIGHT	18325		LOADED MILES	20		CUBIC FEET	175	
									TON MILES	183.25 TMI			250	

CONTINUATION 3700 00



**JOB LOG**

**SWIFT Services, Inc.**

DATE 020610 PAGE NO.

CUSTOMER AMERICAN WARRIOR WELL NO. 1-31 NE LEASE SCHNEPP JOB TYPE 5 1/2 LINK STRONG TICKET NO. 18316

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							DO LIFTING DESCRIBE HILL 200 DRILL PT 1/2 17" SWS EA-2 CMNT. TD 4243' 2' DISCONNECTED TDRINTD 5 1/2 CC 15 1/2 # 35.
								CENTRIFUGAL @ 1, 2, 3, 4, 5: 80 PUSHER @ 5
	0415							REVERSE (EVALUATION) / FLUID CEMENT
	0920	6	12				300	PUMP MAIN FINISH
	0923	6	20				300	PUMP KCL FLUSH
	0923		7					FLUID LIFT HOLES 1/2" - 3/4" HOLES
	0957	4	39				300	MIX CEMENT 1/2" - 3/4" @ 15.3 #
	1148							WASH OUT PUMP/REAM LINE
	1159							RELEASE LATCH TYPED PUMP
	1257	6	100					DISPLACE FLUID
	1015		100				300	ALLOW DOWN PRESSURE UP, LATCH IN PLACE 1500 PSI RELEASED PRESSURE HOLD
	1045							WASH TANK, JOB COMPLETED
								THANK YOU WARRIOR, DUSTY ROSS & LANE



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

TICKET  
**18329**

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>1-31</u>	LEASE <u>Schniepp</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY <u>Ness City</u>	DATE <u>2-26-10</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	CONTRACTOR	RIG NAME/NO.	SHIPPED VA	DELIVERED TO <u>Barine</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement between 8" x 5"</u>	WELL PERMIT NO.		WELL LOCATION <u>Barine 2S, 1E, 1N 4W</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC.	ACCT.	DF		UM	UM	PRICE		
575		1			MILEAGE Trk # 114	10	m	5	00	50.00
577		1			Pump Charge	1	ea	850	00	850.00
581		1			Service Charge Cement	125	cks	1	50	187.50
582		1			Minimum Drayage Charge	1	ea	250	00	250.00
330		1			Swift Multi-Density Standard	125	cks	14	00	1750.00
276		1			Flocele	30	lbs	1	50	45.00
290		1			D-Air	1	gal	35	00	35.00

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

x Scott  
 DATE SIGNED 2-26-10 TIME SIGNED 1230 APM

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	3167.50
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	3264.49

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

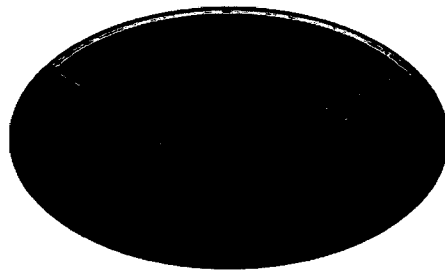
SWIFT OPERATOR Brett Corson APPROVAL \_\_\_\_\_

Thank You!



# **Geological Report**

American Warrior, Inc.  
**Schniepp #1-31NE**  
2150' FNL & 900' FEL  
Sec. 31 T18s R21w  
Ness County, Kansas



**American Warrior, Inc.**

## General Data

Well Data: American Warrior, Inc.  
Schniepp #1-31NE  
2150' FNL & 900' FEL  
Sec. 31 T18s R21w  
Ness County, Kansas  
API # 15-135-25020-0000

Drilling Contractor: Discovery Drilling Co., Inc. Rig #3

Geologist: Jason Alm

Spud Date: January 30, 2009

Completion Date: February 6, 2009

Elevation: 2173' Ground Level  
2181' Kelly Bushing

Directions: Bazine KS, intersection of Main St. and Hwy 96,  
South to Burgess St. East on Burgess across old  
bridge, South and East ½ mi., North into location.

Casing: 1383' 8 5/8" surface casing  
4242' 5 1/2" production casing

Samples: 10' wet and dry, 3500' to RTD

Drilling Time: 3500' to RTD

Electric Logs: Log-Tech, Inc. "Jared Long"  
CNL/CNL, DIL

Drillstem Tests: Three, Trilobite Testing, Inc. "Jason McLemore,  
Jeff Brown"

Problems: None

Remarks: None

## Formation Tops

Formation	American Warrior, Inc. Schniepp #1-31NE Sec. 31 T18s R21w 2150' FNL & 900' FEL
Anhydrite	1375', +756
Base	1409', +722
Heebner	3600', -1469
Lansing	3646', -1515
BKc	3968', -1837
Pawnee	4047', -1916
Fort Scott	4129', -1998
Cherokee	4144', -2013
Mississippian	4220', -2089
Osage	4233', -2102
LTD	4243', -2112
RTD	4243', -2112

## Sample Zone Descriptions

- Fort Scott (4129', -1998):** Covered in DST #1  
 Ls – Fine to medium crystalline with poor-fair inter-crystalline and pinpoint vuggy porosity, light to fair oil stain with scattered light saturation, show of free oil when broken, light odor, bright yellow fluorescents, 17 units hotwire.
- Cherokee Sand (4148', -2017):** Covered in DST #2  
 Ss – Quartz, fine to coarse grained, fairly sorted, sub-rounded, poor to fair cementation with fair to good inter-granular porosity, light to good oil stain with light saturation, good show of free oil, light odor, bright yellow cut fluorescents, 60 units hotwire.
- Mississippian Osage (4233', -2102):** Covered in DST #3  
 Dolo – Δ – Fine sucrosic crystalline with poor vuggy porosity, heavy chert, triptolitic, weathered with good vuggy porosity, light to fair oil stain and saturation, good show of free oil, good odor, bright yellow cut fluorescents.

**Drill Stem Tests**  
Trilobite Testing, Inc.  
"Jason McLemore, Jeff Brown"

**DST #1**

**Fort Scott**

Interval (4110' - 4149') Anchor Length 39'

IHP	- 2040 #	
IFP	- 45" - Built to 7.5	15-19 #
ISI	- 60" - Dead	691 #
FFP	- 45" - B.O.B. 37 min.	18-24 #
FSI	- 60" - Dead	606 #
FHP	- 2007 #	
BHT	- 110°F	

Recovery: 180' GIP  
30' OCM 25% Oil

**DST #2**

**Cherokee Sand**

Interval (4142' - 4170') Anchor Length 28'

IHP	- 2044 #	
IFP	- 45" - Built to 9 in.	19-60 #
ISI	- 45" - Dead	879 #
FFP	- 45" - B.O.B. 38 min.	61-91 #
FSI	- 45" - Dead	858 #
FHP	- 1958 #	
BHT	- 119°F	

Recovery: 64' GIP  
7' CGO  
153' WM  
Chlorides: 18,000 ppm

**DST #3**

**Mississippian Osage**

Interval (4235' - 4243') Anchor Length 8'

IHP	- 2107 #	
IFP	- 30" - B.O.B. 17 min.	20-82 #
ISI	- 30" - Built to 1/8 in.	1193 #
FFP	- 30" - B.O.B. 24 min.	80-131 #
FSI	- 30" - Built to 1/4 in.	1144 #
FHP	- 2019 #	
BHT	- 122°F	

Recovery: 77' GIP  
24' CGO  
244' SOCMW  
Gravity: 39° API  
5% Oil, 75% Water

## Structural Comparison

	American Warrior, Inc. Schniepp #1-31NE Sec. 31 T18s R21w 2150' FNL & 900' FEL	D N B Drilling, Inc. Schniepp #1 Sec. 32 T18s R21w 2590' FNL & 2640' FEL		American Warrior, Inc. City of Bazine #1 Sec. 32 T18s R21w 790' FSL & 113' FWL	
<b>Formation</b>					
Anhydrite	1375', +756	1351', +771	(-15)	1407', +774	(-18)
Base	1409', +722	NA	NA	1442', +739	(-17)
Heebner	3600', -1469	3582', -1460	(-9)	3636', -1455	(-14)
Lansing	3646', -1515	3627', -1505	(-10)	3683', -1502	(-13)
BKc	3968', -1837	NA	NA	4008', -1827	(-10)
Pawnee	4047', -1916	NA	NA	4088', -1907	(-9)
Fort Scott	4129', -1998	4103', -1981	(-17)	4164', -1983	(-15)
Cherokee	4144', -2013	NA	NA	4182', -2001	(-12)
Mississippian	4220', -2089	4195', -2073	(-16)	4248', -2067	(-12)
Osage	4233', -2102	4199', -2077	(-25)	4266', -2085	(-17)

### Summary

The location for the Schniepp #1-31NE was found via 3-D seismic survey. The new well ran structurally lower than expected via the survey. Three drill stem tests were conducted, results from all three were inconclusive. After all gathered data had examined the decision was made to run 5 1/2 inch production casing to further evaluate the Schniepp #1-31NE well.

### Recommended Perforations

**Primary:**

**Fort Scott: (4128' – 4135') DST #1**

**Secondary:**

**Cherokee Sand: (4150' – 4154') DST #2**

**Mississippian Osage: (4233' – 4236') DST #3**

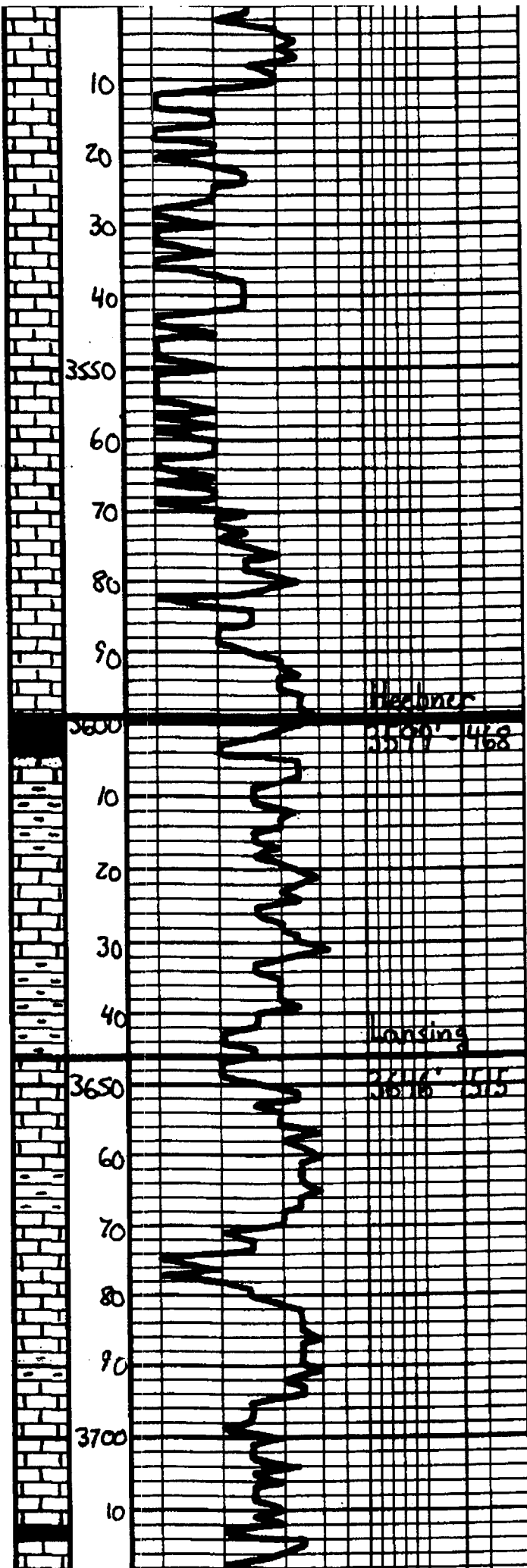
Respectfully Submitted,

Jason Alm  
Hard Rock Consulting, Inc.

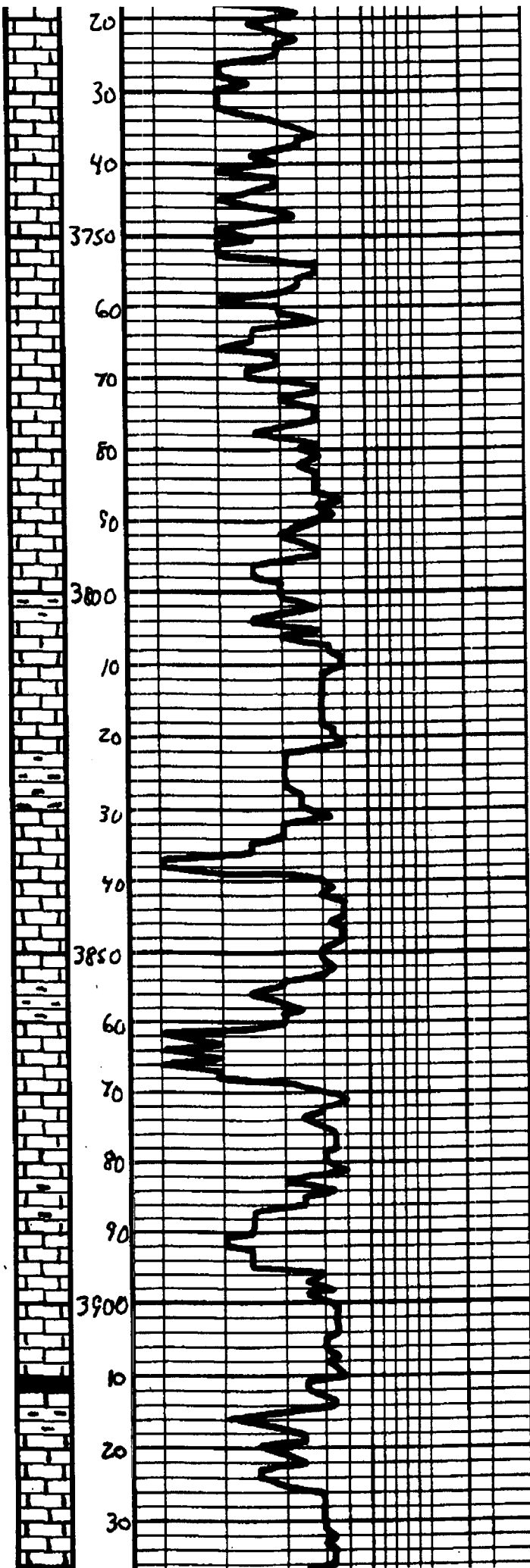




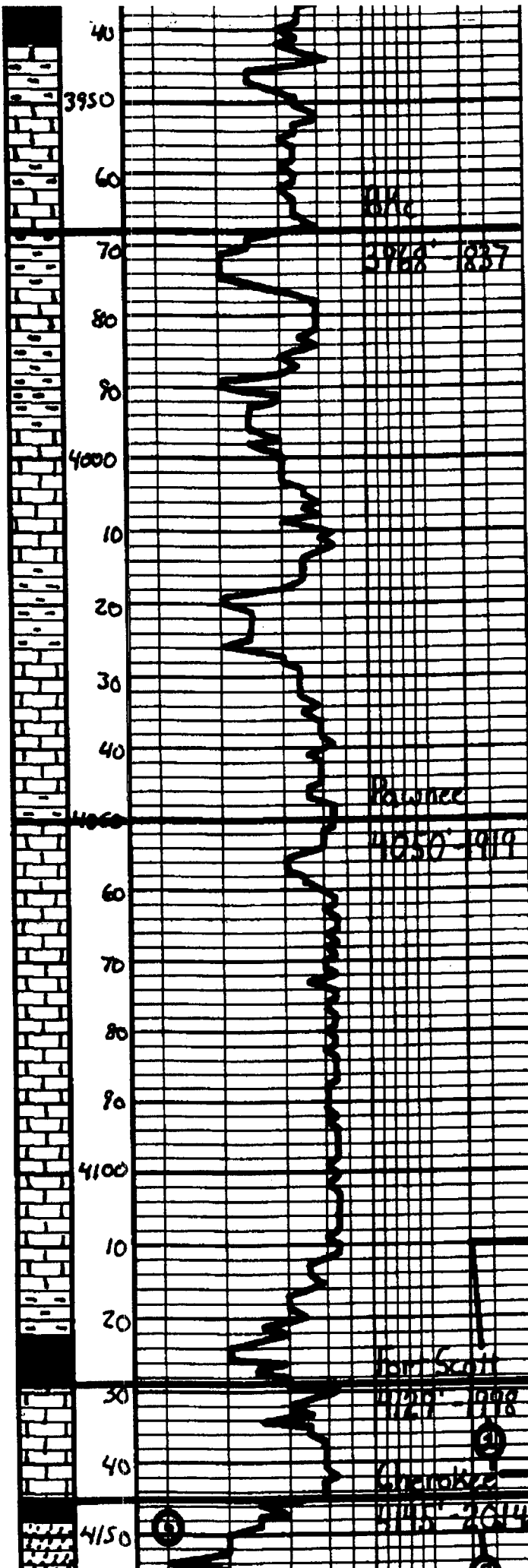




Geo. on location	
Ls. Tan. Lt. Gray - Mottled, Earthy Fossil	11:00 p.m. 2-2-10
Ls. ala	
Ls. Tan. Lt. Gray - Mottled, Earthy Fossil, cherty	
Ls. ala	
Ls. Tan. Lt. Gray - Sh. Mottled, Fossil Cherty	
Ls. ala, Muddy, DNS	
Ls. ala, DNS	
Sh. Blk. Carb., Fossil	
Sh. Gray - Ben	
Ls. Dk. Blue - Lt. Gray, Earthy Faintly mottled, irregular & broken	
Sh. Gray - Ben	
Ls. Tan. Lt. Gray, Earthy, Fossil out w/ pebbles from & broken	
Sh. Gray - Ben	
Ls. Tan. Dk. Blue, Earthy, Fossil out w/ basal part of broken	
Ls. Tan. Lt. Gray, Earthy, Fossil Sh. Fossil out, DNS	
Ls. Dk. Blue - Lt. Gray, Earthy Fossil out, irregular & broken, broken, D. Lt. Gray	
Ls. ala	
Sh. Blk. Dk. Gray	

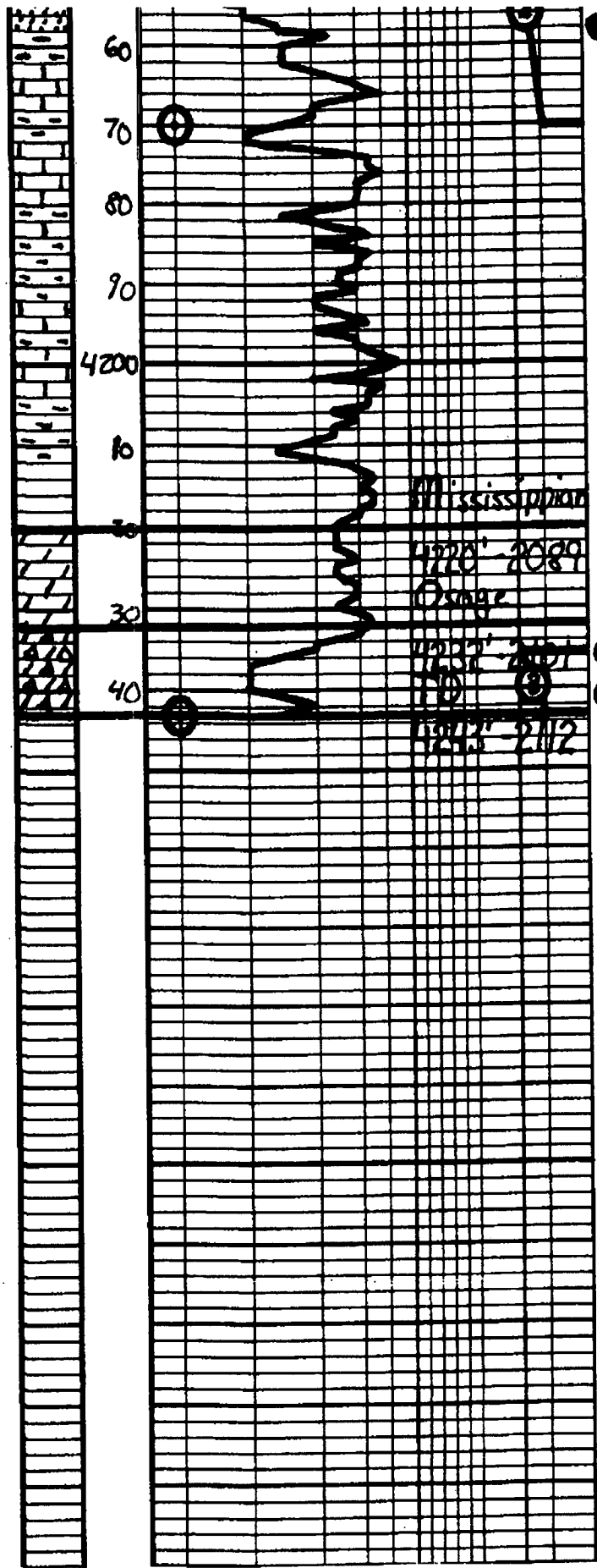


LS - Tan - Lt. Gray, Fa x la, Fossil out. w/ Bone Frag. over q. Bacca	
LS - ala	
LS - ala	
LS - Offwhite - Lt. Gray, Fa x la, Fossil out. w/ Bone Frag. over q. Bacca	
LS - Tan - Lt. Gray, Fa - Subxla, Sl. Fossil out. Mostly DNS	
LS - ala, DNS	
LS - Tan - Lt. Gray, Fa x la, Fossil out. w/ Bone Frag. over q. Bacca	
LS - Tan - Lt. Gray, Fa - Subxla, Sl. Fossil out. DNS	
LS - ala	
Sh - Gray - Ben	
LS - Offwhite - Lt. Gray, Fa x la, Fossil out. PKSI w/ Bone Frag. over q. Bacca	
LS - Offwhite - Lt. Gray, Subxla, Sl. Fossil out. DNS	
Sh - Gray - Ben - Ben	
LS - Tan - Offwhite, Fa x la, Fossil out. PKSI w/ Bone Frag. over q. Bacca	
LS - Offwhite - Tan, Subxla, Sl. Fossil out. DNS	
Sh - Dark Gray - Bk	
LS - Offwhite - Tan, Fa x la, Fossil out. w/ Bone Frag. over q. Bacca	
LS - ala, DNS	
Sh - Dark Gray - Bk	
LS - Offwhite - Lt. Gray, Fa x la, Fossil out. w/ Bone Frag. over q. Bacca	
LS - Offwhite - Tan, Fa - Subxla, Sl. Fossil out. Mostly DNS	



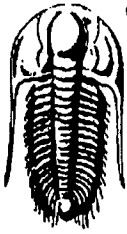
Sh - Blk. Lach
Sh - Gray - Ben
Ls. Lt. Gray, Substa, DNS
Ls - ala
Sh - Gray - Ben - Red
Ls - Tan Lt. Gray, Substa, DNS
Sh - Gray - Ben - Ben
Ls - Tan - Lt. Gray, Substa, DNS
Sh - Gray - Ben - Ben
Ls - Tan - Lt. Gray, Substa, DNS, Sl. Lt. Whit. Gray - Tan
Ls - ala
Sh - Gray - Dk Gray
Ls - Tan - Lt. Gray, Substa, DNS, Sl. Lt. Whit. - Tan
Ls - ala
Ls - Lt. Gray, Substa, DNS, Sl. Lt. Gray
Ls - ala
Ls - Gray, Substa, DNS, "Shaly" Gray - Dk Gray
Sh - Gray - Dk Gray
Sh - Blk. Lach
Ls - Tan - Lt. Gray, Fr - Med x/a, Lt. Tan - Gray, Substa, DNS, Sl. Lt. Whit. - Tan
Ls - Dk Gray - Blk
Ls - Lt. Gray, Fr - Med x/a, Lt. Tan - Gray, Substa, DNS, Sl. Lt. Whit. - Tan

<b>DST #1</b>	
Foot Scott	
4110' - 4149'	
45° - 60' 45" - 60"	
LH	2040#
IF	15-19# Dull to 25in.
ISI	631# Dead
FF	18-24# 803 37 min.
FSI	606# Dead
FH	2007#
BHT	110°F
Recovery:	180' GIP 30' OCM 25% ON
<b>DST #2</b>	



LS - Tan - Lt. Gray, Substr., DNS  
 Sh - Gray - Blue - Green  
 Ls - Tan - Lt. Gray, Sl. Mottled, Substr., DNS  
 Sh - Gray - Blue  
 Sh - Blue  
 Ls - Tan - Lt. Gray, Substr., DNS  
 Sh - Tan - Red - Red, Fr. Mottled, Blue Gr. S. Mottled  
 Dolo - Dotted - Lt. Gray, Fr. Substr., DNS  
 Dolo - AV - Dotted - Lt. Gray, Fr. Conc. Xls. in large pieces, Fr. Heavy Tan. Weathered into small pieces & M.L. - Fine oil st - sand. GDS  
 Good Color

Cherokee Sand	
4142' - 4170'	
45" - 45" - 45" - 45"	
IN	2044#
IF	19.60 800 to 9 in.
ISI	679# Dead
FP	6-51# 800 30 min.
FSI	88# Dead
FH	1950#
BHT	119°F
Recovery:	
64' GIP	
7' Clean Oil	
153' W/M	
Chl 18,000 ppm	
<b>DST#3</b>	
Mississippian	
4235' - 4343'	
30" - 30" - 30" - 30"	
IN	2167#
IF	20.82# 800 17 min.
ISI	1148# 800 to 10 in.
FP	80-131# 800 24 min.
FSI	1144# 800 to 4 in.
FH	2019#
BHT	122°F
Recovery:	
77' GIP	
24' Clean Oil	
244' 50% W/M	
5% Oil, 75% Water	
Respectfully, Jason Sh 2-5-10	



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

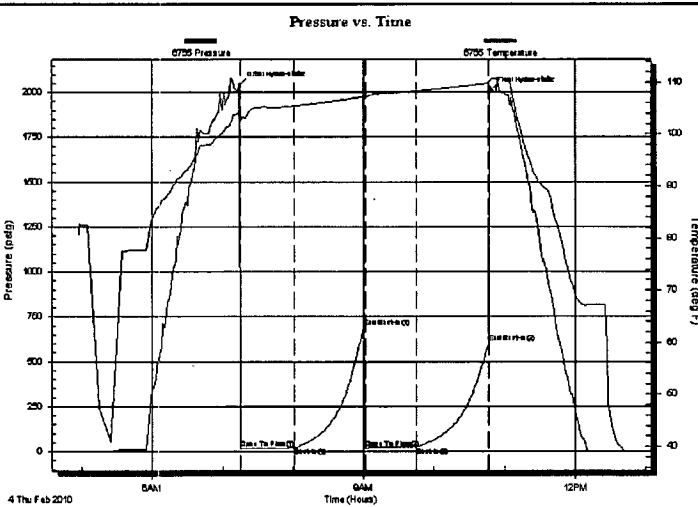
**Schniepp #1-31 NE**  
**31-18s-21w-Ness**  
Job Ticket: 37120 **DST#: 1**  
Test Start: 2010.02.04 @ 04:57:36

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
Deviated: **No Whipstock:** ft (KB)  
Time Tool Opened: 07:15:06  
Time Test Ended: 12:41:36  
Test Type: **Conventional Bottom Hole**  
Tester: **Jason McLemore**  
Unit No: **32**  
Interval: **4110.00 ft (KB) To 4149.00 ft (KB) (TVD)**  
Reference Elevations: **2131.00 ft (KB)**  
**2123.00 ft (CF)**  
Total Depth: **4149.00 ft (KB) (TVD)**  
Hole Diameter: **7.80 inches** Hole Condition: **Good**  
KB to GR/CF: **8.00 ft**

**Serial #: 6755 Inside**  
Press@RunDepth: **24.48 psig @ 4113.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2010.02.04** End Date: **2010.02.04** Last Calib.: **2010.02.04**  
Start Time: **04:57:38** End Time: **12:41:36** Time On Btm: **2010.02.04 @ 07:14:36**  
Time Off Btm: **2010.02.04 @ 10:47:36**

**TEST COMMENT:** IFP-Fair Blow ,Built to 7-1/2"  
ISI-Dead  
FFP-Good Blow ,BOB in 37 Mn.  
FSI-Dead



## PRESSURE SUMMARY

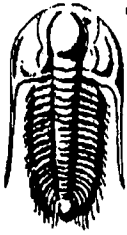
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.21	103.85	Initial Hydro-static
1	15.08	102.35	Open To Flow (1)
46	19.37	105.42	Shut-In(1)
106	691.27	107.22	End Shut-In(1)
107	17.68	106.98	Open To Flow (2)
151	24.48	108.25	Shut-In(2)
212	605.64	109.78	End Shut-In(2)
213	2006.89	110.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Gassy OCM-5%G-25%O-70%M	0.42
0.00	180' Gas In Pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**Schniepp #1-31 NE**  
**31-18s-21w-Ness**  
Job Ticket: 37120      **DST#: 1**  
Test Start: 2010.02.04 @ 04:57:36

## 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: inches			

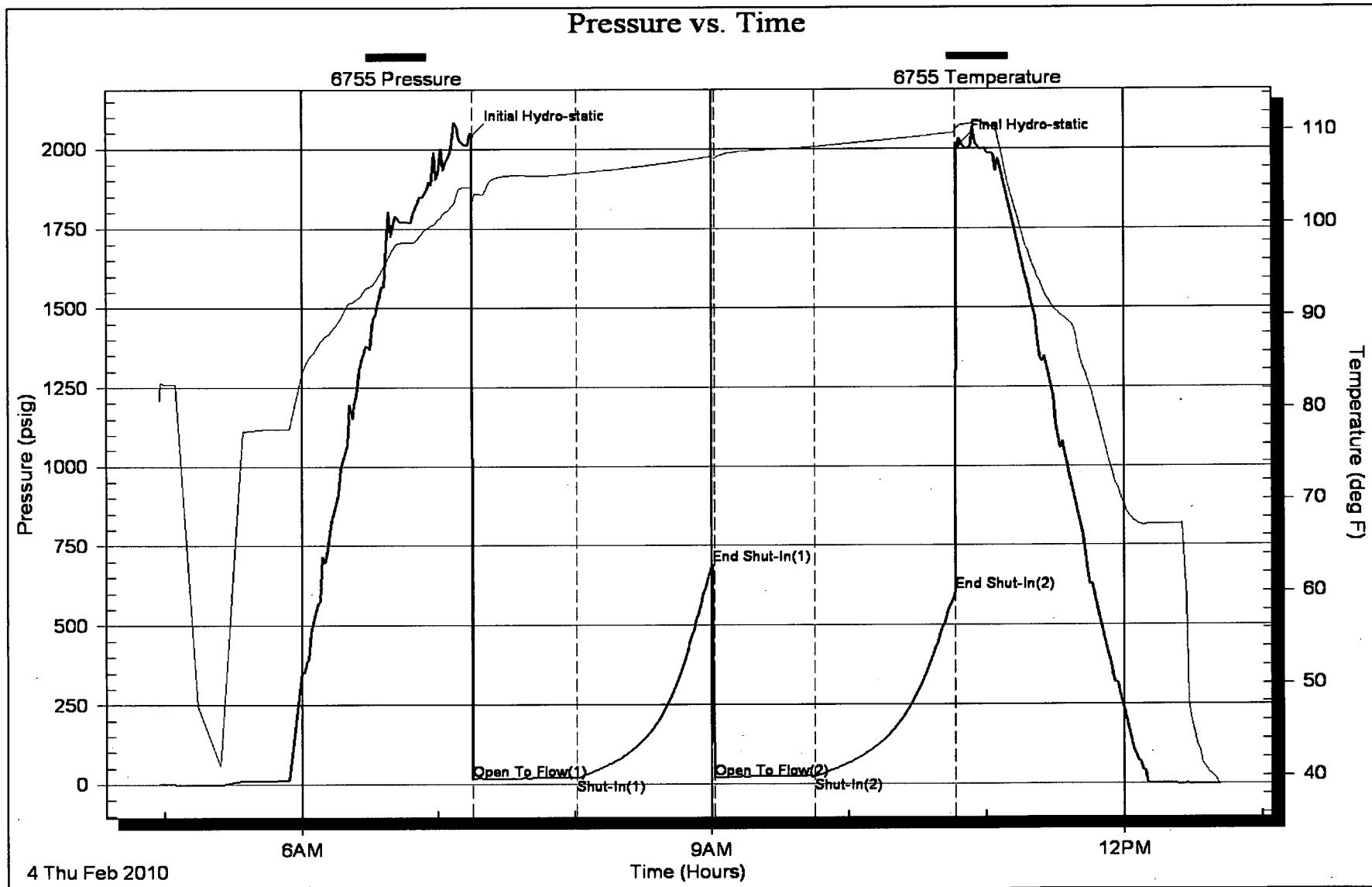
## Recovery Information

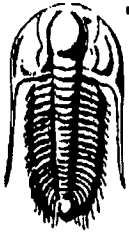
Recovery Table

Length ft	Description	Volume bbl
30.00	Gassy OCM-5%G-25%O-70%M	0.421
0.00	180' Gas In Pipe	0.000

Total Length: 30.00 ft      Total Volume: 0.421 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

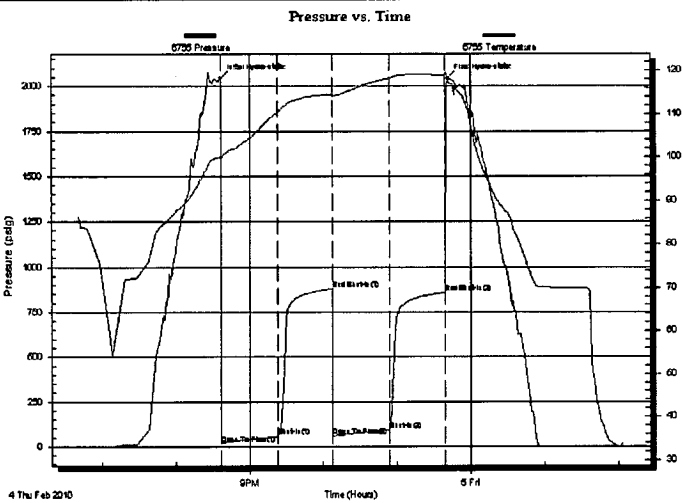
**Schniepp #1-31 NE**  
**31-18s-21w-Ness**  
Job Ticket: 38033      **DST#: 2**  
Test Start: 2010.02.04 @ 18:41:38

### GENERAL INFORMATION:

Formation: **Cherokee Sand**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 20:37:08  
Time Test Ended: 02:03:38  
Interval: **4142.00 ft (KB) To 4170.00 ft (KB) (TVD)**  
Total Depth: 4170.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Jeff Brown  
Unit No: 32  
Reference Elevations: 2131.00 ft (KB)  
2123.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 6755**      **Inside**  
Press@RunDepth: 91.41 psig @ 4147.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2010.02.04      End Date: 2010.02.05      Last Calib.: 2010.02.05  
Start Time: 18:41:40      End Time: 02:03:38      Time On Btm: 2010.02.04 @ 20:36:38  
Time Off Btm: 2010.02.04 @ 23:40:38

**TEST COMMENT:** IFP-Fair blow built to 9' in  
ISI-DEAD  
FFP-Good blow, BOB in 38 min  
FSI-DEAD



### PRESSURE SUMMARY

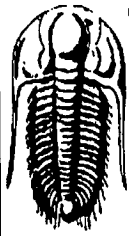
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.48	100.44	Initial Hydro-static
1	18.50	99.39	Open To Flow (1)
47	59.72	110.48	Shut-In(1)
91	879.18	114.45	End Shut-In(1)
91	61.26	114.06	Open To Flow (2)
137	91.41	118.17	Shut-In(2)
182	858.45	118.91	End Shut-In(2)
184	2042.83	118.46	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
7.00	Clean oil	0.10
153.00	WM62%W38%M	2.15
0.00	64' GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

**Schniepp #1-31 NE**  
**31-18s-21w-Ness**  
Job Ticket: 38033      **DST#:2**  
Test Start: 2010.02.04 @ 18:41:38

**Mud and Cushion Information**

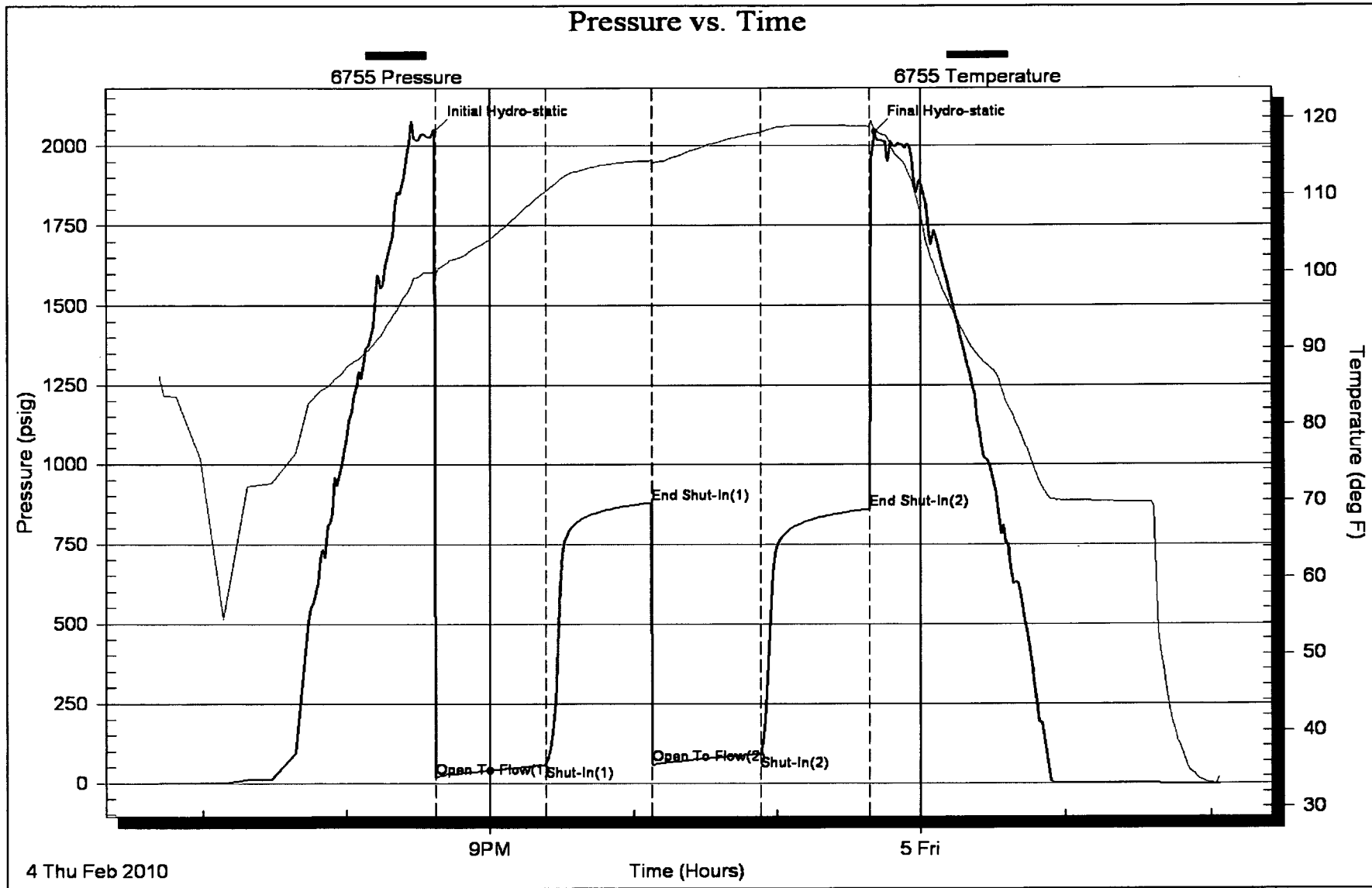
Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 18000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

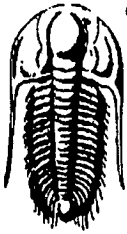
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
7.00	Clean oil	0.098
153.00	WM62%W38%M	2.146
0.00	64' GIP	0.000

Total Length: 160.00 ft      Total Volume: 2.244 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
PO Box 399  
Garden City, KS 67846  
ATTN: Jason Alm

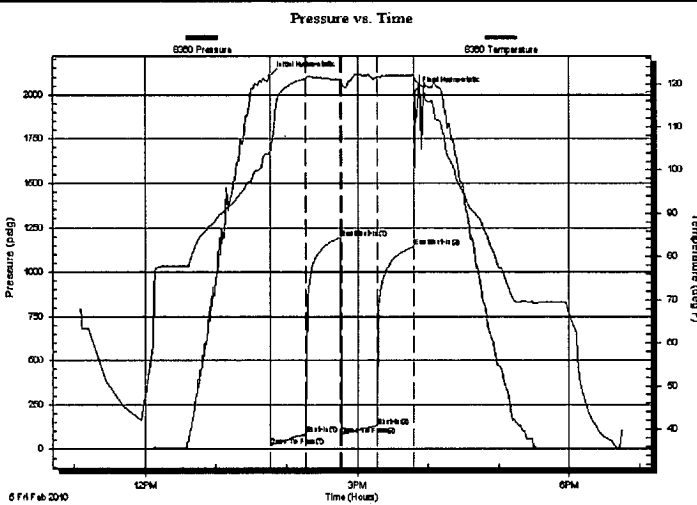
**Schniepp #1-31 NE**  
**31-18s-21w-Ness**  
Job Ticket: 38034      **DST#: 3**  
Test Start: 2010.02.05 @ 11:04:49

## GENERAL INFORMATION:

Formation: **miss**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 13:46:19  
Time Test Ended: 18:47:19  
Test Type: **Conventional Bottom Hole**  
Tester: **Jeff Brown**  
Unit No: **32**  
Interval: **4235.00 ft (KB) To 4243.00 ft (KB) (TVD)**  
Reference Elevations: **2131.00 ft (KB)**  
Total Depth: **4243.00 ft (KB) (TVD)**  
**2123.00 ft (CF)**  
Hole Diameter: **7.80 inches** Hole Condition: **Good**  
KB to GR/CF: **8.00 ft**

**Serial #: 8360**      **Outside**  
Press@RunDepth: **130.94 psig @ 4240.00 ft (KB)**  
Capacity: **8000.00 psig**  
Start Date: **2010.02.05**      End Date: **2010.02.05**  
Last Calib.: **2010.02.05**  
Start Time: **11:04:51**      End Time: **18:47:19**  
Time On Btm: **2010.02.05 @ 13:45:49**  
Time Off Btm: **2010.02.05 @ 15:48:49**

**TEST COMMENT:** IFP-BOB in 17 min  
IS-Weak blow back built to 1/8 in  
FFP-BOB in 25 min  
FSI- Weak blow back built to 1/4 in



## PRESSURE SUMMARY

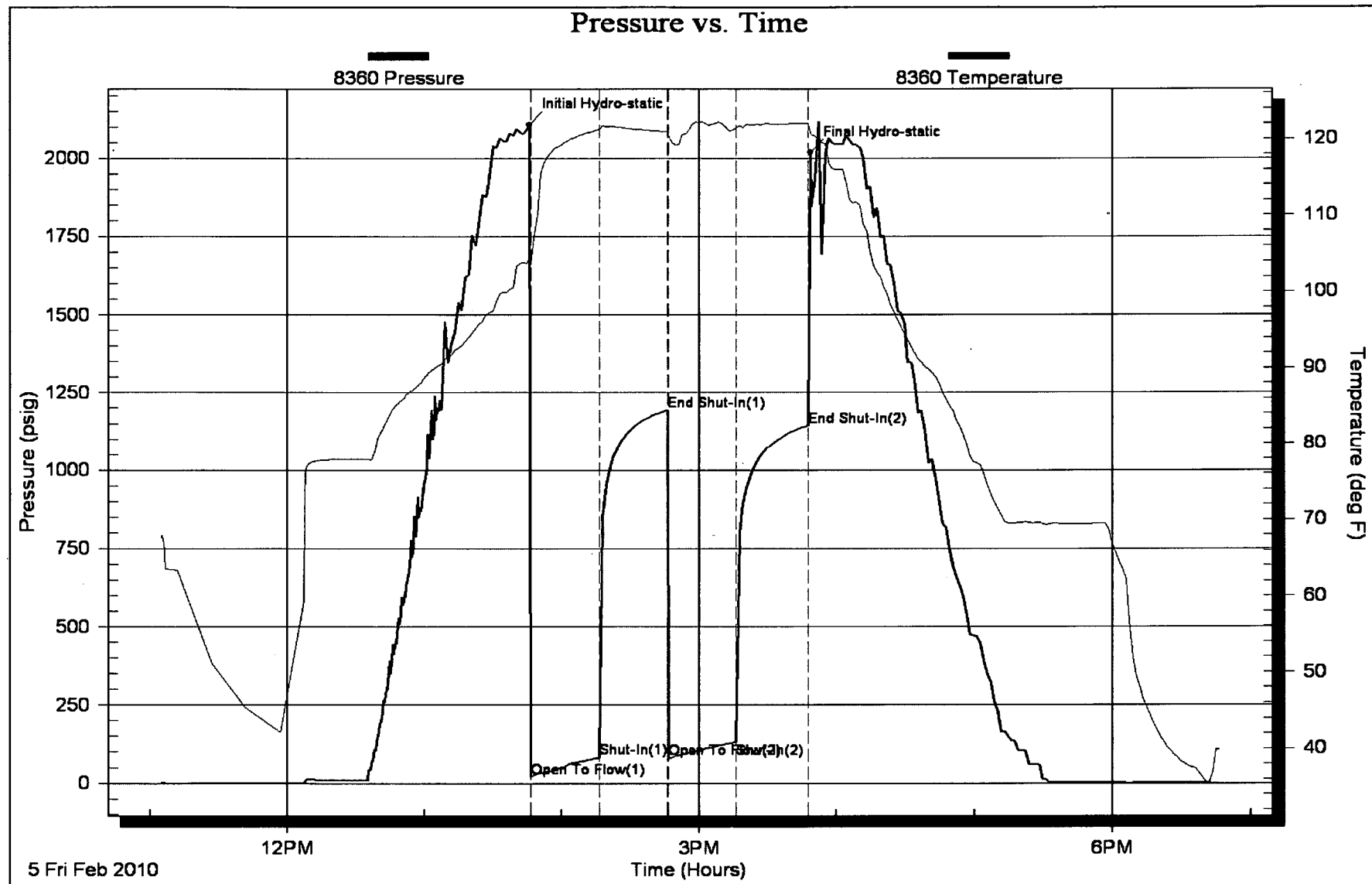
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.39	104.31	Initial Hydro-static
1	20.14	103.61	Open To Flow (1)
31	82.42	121.27	Shut-In(1)
60	1192.86	120.93	End Shut-In(1)
61	80.44	120.41	Open To Flow (2)
91	130.94	121.40	Shut-In(2)
122	1143.86	122.04	End Shut-In(2)
123	2019.08	120.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
24.00	Cean oil	0.34
244.00	SOCWM5%020%M75%W	3.42
0.00	77'GIP	0.00

## Gas Rates

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



5 Fri Feb 2010