

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 4058
Name: AMERICAN WARRIOR INC.
Address: PO. BOX 399,
City/State/Zip: GARDEN CITY, KS., 67848
Purchaser: ANR
Operator Contact Person: KEVIN WILES SR.
Phone: (620) 275-2963
Contractor: Name: DUKE DRLG.
License: 5929
Wellsite Geologist: ALAN DOWNING

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

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

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conversion to Enhr. SWD
 Plug Back 5361' Plug Back Total Depth _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

10-31-2000	11-11-2000	12-13-2000
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 033-21,154-0000
County: COMANCHE 70'S&35'W OF
SW NE NW Sec. 4 Twp. 33S S. R. 19V East West
1060' feet from N (circle one) Line of Section
1615' feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: NIELSEN Well #: 4-2

Field Name: UN-NAMED
Producing Formation: MISS
Elevation: Ground: 1904' Kelly Bushing: 1917'
Total Depth: 5400' Plug Back Total Depth: 5361'
Amount of Surface Pipe Set and Cemented at 825' 621' 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 ACT 1 DPW 7-19-01
(Data must be collected from the Reserve Pit)
Chloride content 16,000 ppm Fluid volume 350 bbls
Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter: _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

ORIGINAL

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KANSAS CORPORATION COMMISSION
5-16-01
MAY 16 2001

CONSERVATION DIVISION

KCC
DPW

KCC
DPW

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.

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: Debra J. Purcell
Title: PRESIDENT Date: 5-10-2001
Subscribed and sworn to before me this 14th day of May
in 2001
Notary Public: Debra J. Purcell
Date Commission Expires: 11/4/03

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: 5-21-01 DPW
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
 KCC

DEBRA J. PURCELL
Notary Public - State of Kansas
My Appt. Expires 11/4/03

X

Operator Name: AMERICAN WARRIOR INC. Lease Name: NIELSEN Well #: 4-2
 Sec. 4 Twp. 33S S. R. 19W East West County: COMANCHE 70'S&35'W OF

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 copy of all Electric Wireline 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
 (Submit Copy)

List All E. Logs Run: CDR, DI., CAL., SOINC

<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Name	Top	Datum
HEEBNER	4189'	-2271
LANSING	4388'	-2451
BKC	4882'	-2964
MARMATON	4890'	-2971
PAWNEE	4972	-3055
FORT SCOTT	5014'	-3093
MISS	5104'	-3189

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermedial, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacs Used	Type and Percent Additives
SURFACE	12-1/4"	8-5/8"	28#	624' 621	CLASS "A"	125	3%CC&2%GEL
PRODUCTION	7-7/8"	5-1/2"	15.5#	5399'		150	1/4#FLOCELE,D-AIR

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				

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
2	5236'-5240', 5228'-5230', 5177'-5179', 5125'-5132'	FRAC W/ 15,000#S, 20/40 SAND IN CROSS-LINKER GEL	624'
			5399'

TUBING RECORD Size 2-3/8" Set At 5300' Packer At Liner Run Yes No

Date of First Resumard Production, SWD or Enhr. SI Producing Method Flowing Pumping Gas Lift Other (Explain)

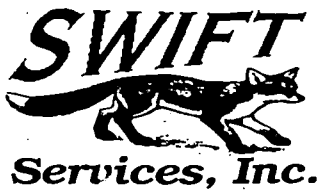
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
		X			

Disposition of Gas Vented Sold Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dualy Comp. Commingled NA

Production Interval Other (Specify) _____

KANSAS CORPORATION
 MAY 16 2001
 CONSERVATION DIVISION



CHARGE TO: *American Warrior*
 ADDRESS:
 CITY, STATE, ZIP CODE: *Garden City Ks*

TICKET No 2859

PAGE 1 OF 2

SERVICE LOCATIONS:
 1. *Ness City* WELL/PROJECT NO. *4-2* LEASE *Nielsen* COUNTY/PARISH *Comanche* STATE *Ks* CITY DATE *11-12-00* OWNER *Jame*
 2. TICKET TYPE SERVICE CONTRACTOR RIG NAME/NO. *Duke 7* SHIPPED VIA *105* DELIVERED TO *S.W. Colquhoun* ORDER NO.
 3. WELL TYPE *Gas* WELL CATEGORY *Development* JOB PURPOSE *Y/S* WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC.	ACCT	DF								
575					MILEAGE	70	mi			2.50	175	00
578					Pump Charge	1	EA	5400	FT		1200	00
407					Flat Seal	1	EA				200	00
406					Patch Down Plug and Buffalo	1	EA				200	00
402					Centralizer	6	EA			40.00	240	00
403					Cement Basket	1	EA				110	00
280					Flochek	850	gal			1.50	1275	00
					<i>From Continuations Sheet</i>						3740	55

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 KANSAS CORPORATION COMM
 MAY 16 2001
 CONSERVATION DIVISION

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 *11-12-2000* TIME SIGNED *11:00* 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?				7140 55
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX 255 44
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 7395 99
<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 *Denny* APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11-12-00 PAGE NO.

CUSTOMER American Warrior

WELL NO. 4-2

LEASE Nielson

JOB TYPE L/S

TICKET NO. 2859

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							On Location
	1115							Start 5 1/2 15.5 #CS6
								T.D. 5400
								S.J. 38.16'
								Run float shoe w/ Latch Down Plug + Baffle
								Run Centralizers on Collars 1, 3, 5, 7, 9, 11
								Run Cement Basket on Top of It 10
								Log on bottom hook up + tie
								Plug Rathole + Mousehole
								Start 5BBL F.W. Spacer
								Pump 850 gal Floccule
								Pump 5BBL F.W. Spacer
								Pump 150 SKS SMD CMT w/ 2% Gas Stop,
			52BBL					1/2% CFR-2, 1/2% D.AIR, 1/4 #/st Floccule
								finish mixing Cement wash out P+L
								Drop Plug + set Drop
	1440		127.5				1500	Plug Down
								Release float held
	1500							Job Complete

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 MAY 16 2001
 CONSERVATION DIVISION



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

TICKET CONTINUATION

TICKET No. 2859

CUSTOMER: American Warriors
WELL: Nielsen 4-2
DATE: 11-12-00
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
330						Smd Cement	150	SKS			9.50	1425.00
287						Gas Stop	300	LBS			4.50	1350.00
285						CFR-2	71	LBS			2.75	195.25
290						D-AIR	71	LBS			2.75	195.25
276						Flocebo	25	(B)			.90	22.50
581						SERVICE CHARGE						
583						MILEAGE CHARGE						
						TOTAL WEIGHT	15335					
						LOADED MILES	70					
						CUBIC FEET	150					150.00
						TON MILES	536.73				.75	402.55

ORIGINAL

CONTINUATION TOTAL 3740.55

ALLIED CEMENTING CO., INC. 4507

Federal Tax I.D.# 48-0727860

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <i>10-31-00</i>	SEC <i>4</i>	TWP <i>33S</i>	RANGE <i>19W</i>	CALLED OUT <i>8:00 Am</i>	ON LOCATION <i>9:30 Am</i>	JOB START <i>11:37 Am</i>	JOB FINISH <i>11:50 Am</i>
LEASE <i>Nielsen</i>		WELL # <i>4-2</i>	LOCATION <i>Coldwater, 5s, to Jct</i>		COUNTY <i>Comanche</i>	STATE <i>KS.</i>	
OLD OR NEW (Circle one) <i>NEW</i>			<i>3w 1w, 1/2 w 1/4 to</i>				

CONTRACTOR *Duke #7*
 TYPE OF JOB *Surface*
 HOLE SIZE *14 3/4* T.D. *185'*
 CASING SIZE *10 3/4 x 32"* DEPTH *184*
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX *200* MINIMUM *-*
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. *15 feet*
 PERFS. _____
 DISPLACEMENT *17 BBLs Freshwater*

OWNER *American Warrior*
 CEMENT AMOUNT ORDERED
200 sx A+3fcc + 2 1/2 gal

COMMON <i>A</i>	<i>200</i>	@	<i>6.35</i>	<i>1270.00</i>
POZMIX		@		
GEL	<i>4</i>	@	<i>9.50</i>	<i>38.00</i>
CHLORIDE	<i>7</i>	@	<i>28.00</i>	<i>196.00</i>
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>211</i>	@	<i>1.05</i>	<i>221.55</i>
MILEAGE	<i>211 x 50</i>		<i>.04</i>	<i>422.00</i>
				TOTAL <i>2147.55</i>

EQUIPMENT
 PUMP TRUCK CEMENTER *Carl B*
 #*352* HELPER *Stone W.*
 BULK TRUCK
 #*259* DRIVER *Dave F.*
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

*Run 184' - 10 3/4" casing.
 Break circulation.
 pump 5 BBLs freshwater, + 200 sx
 CAS A+3fcc + 2 1/2 gal. Release plug.
 Displace with 17 BBLs freshwater
 shut in circulate 50 sx to pit
 + leave 15' cement in casing.*

ORIGINAL SERVICE
 DEPTH OF JOB *184'*
 PUMP TRUCK CHARGE _____ *470.00*
 EXTRA FOOTAGE _____ @ _____
 MILEAGE *50* @ *3.00* *150.00*
 PLUG *wooden 10 3/4* @ *55.00* *55.00*
 _____ @ _____
 _____ @ _____
 TOTAL *675.00*

CHARGE TO: *American Warrior*
 STREET *P.O. Box 399*
 CITY *GARDEN CITY* STATE *KANSAS* ZIP *67846*

FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE *2822.55*
 DISCOUNT *282.26* IF PAID IN 30 DAYS
2540.29
 SIGNATURE *Kenneth McGuire* KENNETH M'GUIRE
 PRINTED NAME

ALLIED CEMENTING CO., INC. 4509

Federal Tax I.D.# 48-0727860

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <u>11-1-00</u>	SEC <u>4</u>	TWP. <u>33S</u>	RANGE <u>19W</u>	CALLED OUT <u>12:00 Am</u>	ON LOCATION <u>2:30 Am</u>	JOB START <u>8:00 Am</u>	JOB FINISH <u>8:20 Am</u>
LEASE <u>Nielsen</u>	WELL # <u>4-2</u>	LOCATION <u>Coldwater, S to Ft</u>			COUNTY <u>Romanche</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)		<u>3w, 1w, w/into</u>					

CONTRACTOR Duke #7 OWNER American WARRIOR

TYPE OF JOB Surface
 HOLE SIZE 9 7/8 T.D. 625'
 CASING SIZE 8 5/8 x 28" DEPTH 621
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 600 MINIMUM 200
 MEAS. LINE SHOE JOINT 40.91
 CEMENT LEFT IN CSG:
 PERFS.
 DISPLACEMENT 36 BBLs freshwater

CEMENT AMOUNT ORDERED
125 sx CLASS A + 3% cc + 2% gel

COMMON A	125	@	6.35	793.75
POZMIX		@		
GEL	2	@	9.50	19.00
CHLORIDE	4	@	28.00	112.00
		@		
		@		
		@		
		@		
HANDLING	131	@	1.05	137.55
MILEAGE	131 x 50		.04	262.00

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding
 #352 HELPER Steve W.
 BULK TRUCK
 #242 DRIVER Jason T
 BULK TRUCK
 # DRIVER

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 KANSAS CORPORATION COMMISSION

ORIGINAL TOTAL 1324.30

REMARKS:

MAY 16 2001

SERVICE

Run 621 feet of 8 5/8 casing.
 Break circulation with mud pump
 pump 125 sx class A + 3% cc + 2% gel
 switch valves + Release plug.
 Displace with 36 BBLs freshwater.
 Pump plug + shut in.
 Circulate 25 sx to pit.

DEPTH OF JOB	621			
PUMP TRUCK CHARGE	0-300'			470.00
EXTRA FOOTAGE	321'	@	.43	138.03
MILEAGE	50	@	3.00	N/C
PLUG	Rubber 8 5/8"	@	90.00	90.00
		@		
		@		

TOTAL 698.03

CHARGE TO: American Warrior
 STREET P.O. Box 399
 CITY GARDEN CITY STATE KANSAS ZIP 67846

FLOAT EQUIPMENT

1- Baffle plate	@	45.00	45.00
1- Canvas Basket	@	180.00	180.00
	@		
	@		
	@		

TOTAL 225.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 2247.33
 DISCOUNT 224.74 IF PAID IN 30 DAYS
2022.59

SIGNATURE Kenneth McGuire

KENNETH M'Guire
 PRINTED NAME

ORIGINAL

WELL NAME

Nielsen #4-2

COMPANY

American Warrior, Inc.

LOCATION

4-33s-19w

Comanche co Kansas

DATE

11/14/00

KAR

0

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : American Warrior Inc.
 WELL NAME: Nielsen #4-2
 LOCATION : 4-33s-19w Comanche co KS
 INTERVAL : 4961.00 To 5030.00 ft

DATE 11-09-000
 KB 1917.00 ft TICKET NO: 13213 DST #1
 GR 1904.00 ft FORMATION: Pawnee/Ft. Scott
 TD 5030.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0956 to 1026 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1026 to 1126 hr
SF 60 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 1126 to 1226 hr
FS 60 Depth(ft)	5027.0	5027.0	4970.0	0.0	0.0	FS Fr. 1226 to 1326 hr

	Field	1	2	3	4	
A. Init Hydro	2426.0	0.0	2376.0	0.0	0.0	T STARTED 0800 hr
B. First Flow	39.0	0.0	32.0	0.0	0.0	T ON BOTM 0951 hr
B1. Final Flow	46.0	0.0	51.0	0.0	0.0	T OPEN 0956 hr
C. In Shut-in	1657.0	0.0	1661.0	0.0	0.0	T PULLED 1329 hr
D. Init Flow	46.0	0.0	33.0	0.0	0.0	T OUT 1540 hr
E. Final Flow	64.0	0.0	57.0	0.0	0.0	
F. Fl Shut-in	1718.0	0.0	1720.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2375.0	0.0	2331.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 80000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 300.00 ft
						D.P. Length 4666.00 ft

RECOVERY

Tot Fluid 70.00 ft of 70.00 ft in DC and 0.00 ft in DP
 0.00 ft of Gas in all fluid free pipe.
 70.00 ft of Gas cut mud
 0.00 ft of 8% gas 92% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw n.c. ohms @ degrees F.
 0.00 ft of EST.FT. of PAY-----6
 SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow Bottom of bucket in 5 minutes.

Initial Shut-In:
 No blow.

Final Flow:
 Strong blow. Gas to surface in 25 minutes. (see gas volume report)

Final Shut-In:
 No blow.

SAMPLES: Gas sample
 SENT TO: Caraway/Liberal

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 52.00 S/L
 W.L. 9.40 in3
 F.C. 0.20 in
 Mud Drop N
 Amt. of fill 2.00 ft
 Btm. H. Temp. 117.00 F
 Hole Condition Good
 % Porosity 11.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 N
 Cushion Type None
 Reversed Out N
 Tool Chased N
 Tester Gary Pevoteaux
 Co. Rep. Al Downing
 Contr. Duke Drlg.
 Rig # 7
 Unit #
 Pump T. LCM 3 #/bl

Test Successful: Y

GAS RECOVERY

COMPANY: American Warrior Inc.

DATE: 11-09-000

WELL NAME: Nielsen #4-2

KB Elev: 1917.00 ft TICKET #13213 DST #1

WELL LOCATION: 4-33s-19w Comanche co KS

GR Elev: 1904.00 ft FORMATION: Pawnee/Ft. Scott

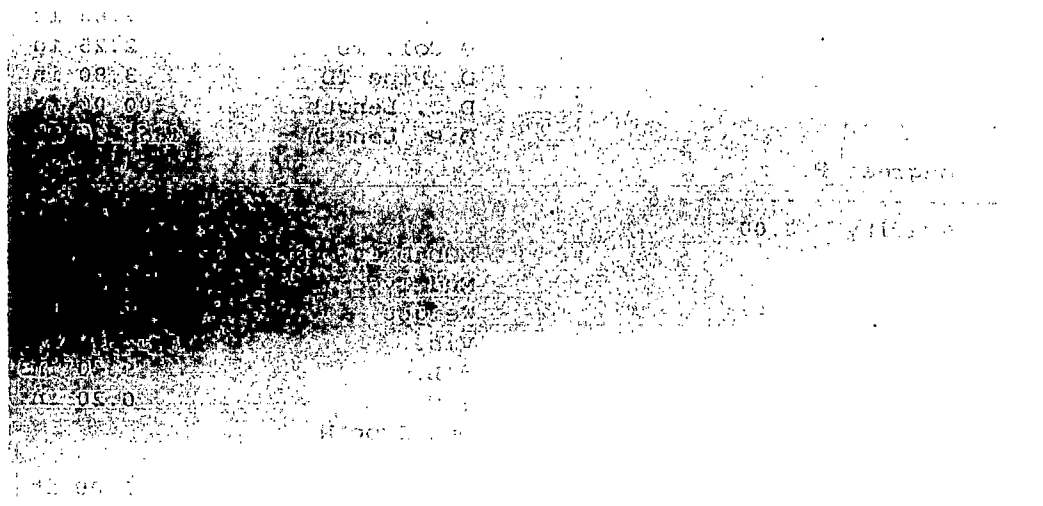
INTERVAL Fr.: 4961.00 To 5030.00 T.D.: 5030.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
30	0.25	0	14	6330.0
40	0.25	0	22	7880.0
50	0.25	0	30	9200.0
60	0.25	0	38	10400.0

ORIGINAL



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Nielsen #4-2
 LOCATION : 4-33s-19w Comanche co KS
 TICKET No. 13213 D.S.T. No. 1 DATE 11-09-000
 TOTAL TOOL TO BOTTOM OF TOP PACKERS 27
 INTERVAL TOOL
 BOTTOM PACKERS AND ANCHOR 10
 TOTAL TOOL 37
 DRILL COLLAR ANCHOR IN INTERVAL
 D.C. ANCHOR STND.Stands1 Single Total 59
 D.P. ANCHOR STND.Stands Single Total
 TOTAL ASSEMBLY 96
 D.C. ABOVE TOOLS.Stands5 Single Total 300
 D.P. ABOVE TOOLS.Stands75 Single Total 4666
 TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5062
 TOTAL DEPTH 5030
 TOTAL DRILL PIPE ABOVE K.B. 32

REMARKS:
 Comments:

FLUID SAMPLER DATA (not run)

GAS-----
 OIL----- ML.
 MUD----- ML.
 WATER----- ML.
 OTHER-----
 PRESSURE----- PSI
 Rw ----- ohms @ deg. F.
 CHLORIDES----- ppm.
 GRAVITY----- n/a. deg.API

P.O. SUB
 C.O. SUB @ top of tool 4934
 S.I. TOOL Sterling 4940
 HMV Sterling 4945
 JARS bowen 4950
 SAFETY JOINT bowen 4952
 PACKER top 4956
 PACKER Btm. 4961
 DEPTH 4961
 1 ft. 4962
 ANCHOR
 3'perfs & sub to 4965
 Alpine rec. @ 4970
 1 std. collar & sub to 5025
 AK-1 rec. @ 5027
 BULLNOSE 5 ft. perforated 5030
 T.D.

ORIGINAL

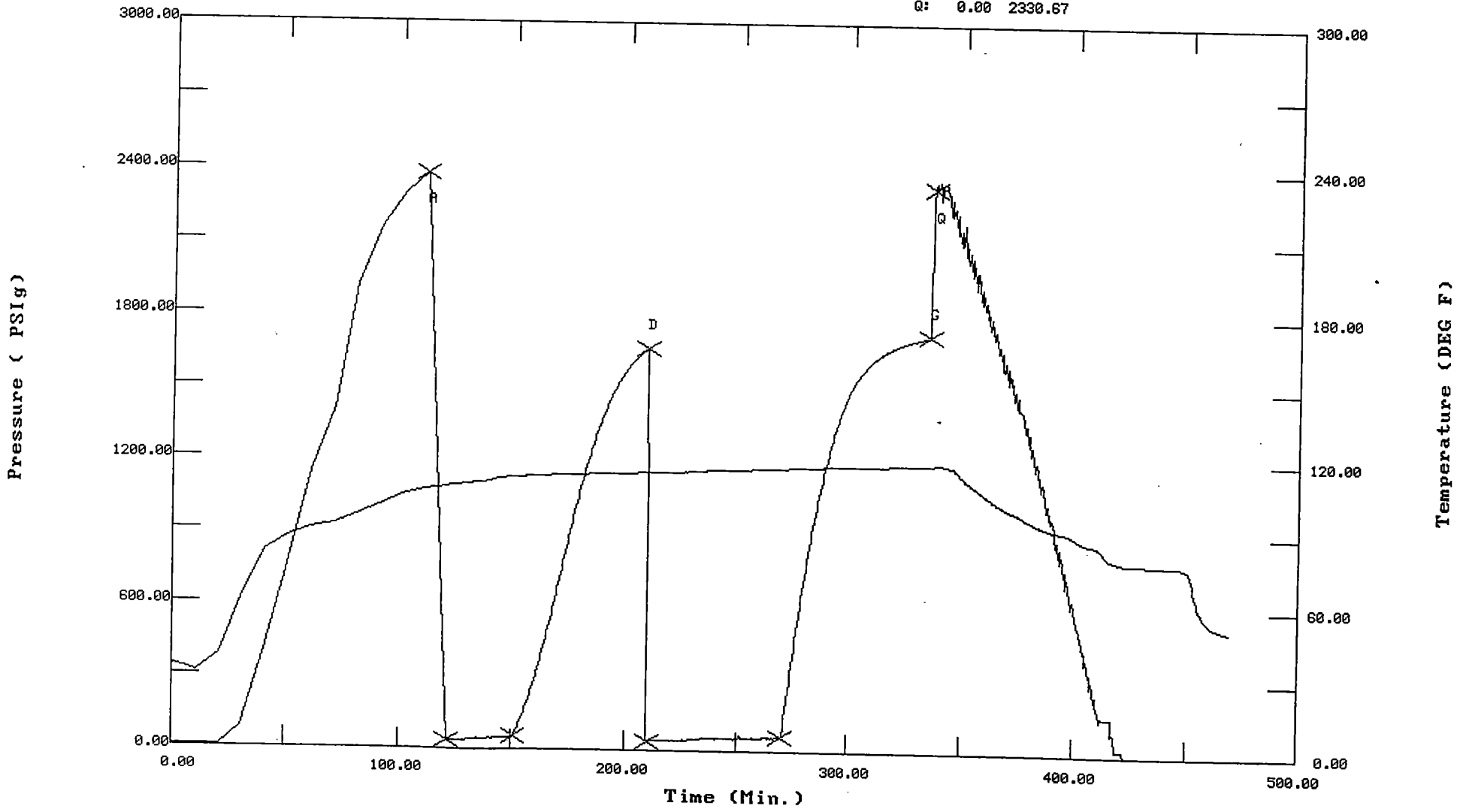
TEST HISTORY

13213 DST#1 NIELSEN #4-2 AMERICAN WARRIOR INC.

ORIGINAL

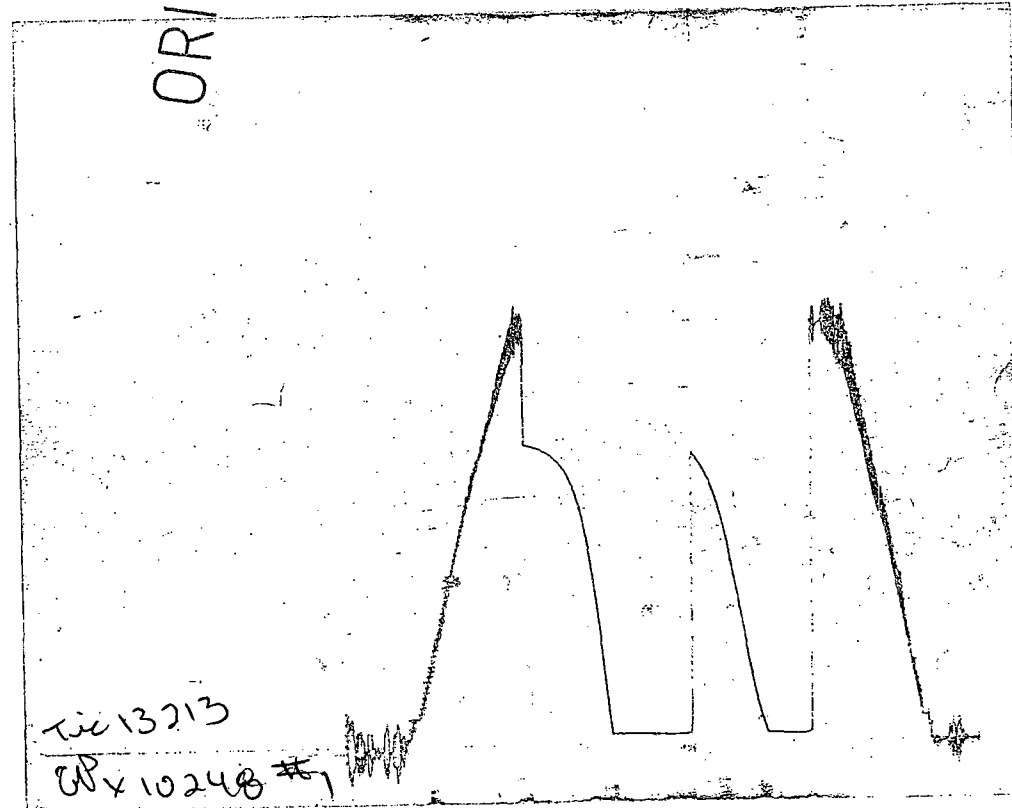
Flag Points

	t (Min.)	P (PSIg)
A:	0.00	2375.98
B:	0.00	32.39
C:	29.50	58.60
D:	58.00	1661.43
E:	0.00	33.06
F:	59.50	56.89
G:	65.50	1719.67
Q:	0.00	2330.67



ORIGINAL

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

COPY
No. 13215

Test Ticket

Well Name & No. Nielsen II 4-2 Test No. 1 Date 11-9-2000
 Company American Union Inc. Zone Tested Pawnee Ft. Smith
 Address P.O. Box 399, Garden City, KS 67846 Elevation 1917 KB 1904 GL
 Co. Rep / Geo. Al Downing Cont. Duke Dwyer #7 Est. Ft. of Pay 6 Por. %
 Location: Sec. 4 Twp. S33S Rge. 19W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4961 - 5030' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 80,000
 Anchor Length 69' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 4956' Tool Weight 2100#
 Bottom Packer Depth 4961' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 5030' Wt. Pipe Run None Drill Collar Run 300'
 Mud Wt. 9.0 LCM 3# Vis. 52 WL 9.4 Drill Pipe Size 4 1/2" x 14 Ft. Run 4666
 Blow Description IF: Strong below B.O.B. in 5 mins.
ISI: No below.
FF: Strong blow (G-TS in 25 mins. (see gas volume report))
FSI: No below.

Recovery — Total Feet 70 GIP yes Ft. in DC 70 Ft. in DP 0
 Rec. 70 Feet Of CoCM. %gas %oil %water 92 %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 117 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	2426	2376	2342	0650
(B) First Initial Flow Pressure	39	32	(depth) 4970'	T-Started 0800
(C) First Final Flow Pressure	46	51	Recorder No. 10248	T-Open 0956
(D) Initial Shut-In Pressure	1651	1661	(depth) 5027'	T-Pulled 1329
(E) Second Initial Flow Pressure	46	33	Recorder No. <u> </u>	T-Out 1540
(F) Second Final Flow Pressure	64	57	(depth) <u> </u>	T-Off Location 1630
(G) Final Shut-in Pressure	1718	1720	Initial Opening 30	Test <u>✓</u> 850
(Q) Final Hydrostatic Mud	2375	2331	Initial Shut-in 60	Jars <u>✓</u> 200
			Final Flow 60	Safety Joint <u>✓</u> S.
			Final Shut-in 60	Straddle <u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Our Representative [Signature]

Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec. ✓ 150
 Mileage ✓ 70
 Other
 TOTAL PRICE \$ ✓ 1320 ⁰⁰

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : American Warrior, Inc.

DATE 11/11/200

WELL NAME: Nielsen

KB 1917.00 ft

TICKET NO: 13250 DST #2

LOCATION : 4-33s-19w Comanche co KS

GR 1904.00 ft

FORMATION: Mississippi

INTERVAL : 5113.00 To 5143.00 ft

TD 5143.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1926 to 1956 hr
SI 45 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1956 to 2041 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2041 to 2141 hr
FS 90 Depth(ft)	5140.0	5140.0	5119.0	0.0	0.0	FS Fr. 2141 to 2311 hr

	Field	1	2	3	4	
A. Init Hydro	2596.0	0.0	2317.0	0.0	0.0	T STARTED 1650 hr
B. First Flow	85.0	0.0	55.0	0.0	0.0	T ON BOTM 1923 hr
B1. Final Flow	85.0	0.0	56.0	0.0	0.0	T OPEN 1926 hr
C. In Shut-in	1151.0	0.0	1091.0	0.0	0.0	T PULLED 2311 hr
D. Init Flow	64.0	0.0	52.0	0.0	0.0	T OUT 0100 hr
E. Final Flow	64.0	0.0	63.0	0.0	0.0	
F. Fl Shut-in	1087.0	0.0	1017.0	0.0	0.0	
G. Final Hydro	2608.0	0.0	2277.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
 4941.00 ft of Gas in pipe
 150.00 ft of Slightly gas cut mud
 0.00 ft of 8% gas 92% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

TOOL DATA-----
 Tool Wt. 2100.00 lbs
 Wt Set On Packer 20000.00 lbs
 Wt Pulled Loose 82000.00 lbs
 Initial Str Wt 82000.00 lbs
 Unseated Str Wt 82000.00 lbs
 Bot Choke 0.75 in
 Hole Size 7.88 in
 D Col. ID 2.25 in
 D. Pipe ID 3.80 in
 D.C. Length 356.41 ft
 D.P. Length 4827.59 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
 Mud Type Chemical
 Weight 8.90 lb/cf
 Vis. 50.00 S/L
 W.L. 9.00 in3
 F.C. 0.32 in
 Mud Drop N

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in 30 seconds. Gas to surface in 5 minutes Gauge gas.
 Initial Shut-In:
 Bled down for 5 minutes. No blow back
 Final Flow:
 Strong blow bottom of bucket in 15 seconds. Gauge gas.
 Final ShutIn:
 Bled down for 5 minutes. No blow back

Amt. of fill 0.00 ft
 Btm. H. Temp. 123.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00 n
 Cushion Type none
 Reversed Out N
 Tool Chased N
 Tester Darren L.Amerine
 Co. Rep. Al Downing
 Contr. Duke
 Rig # 7
 Unit # none
 Pump T. none

SAMPLES: Caraway Analytical, 728 N.Roosevelt
 SENT TO: Liberal, Ks. 67901

Test Successful: Y

GAS RECOVERY

COMPANY: American Warrior, Inc.

DATE: 11/11/200

WELL NAME: Nielsen

KB Elev: 1917.00 ft TICKET #13250 DST #2

WELL LOCATION: 4-33s-19w Comanche co KS

GR Elev: 1904.00 ft FORMATION: Mississippi

INTERVAL Fr.: 5113.00 To 5143.00 T.D.: 5143.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
15	0.50	8	0	101000.0
25	0.50	8	0	97800.0
30	0.50	8	0	97800.0

ORIGINAL

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	14	0	79700.0
20	0.38	8	0	59300.0
30	0.38	7	0	53200.0
40	0.38	6	0	51000.0
50	0.38	6	0	48800.0
60	0.38	6	0	48800.0

ORIGINAL

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Nielsen

LOCATION : 4-33s-19w Comanche co KS

TICKET No. 13250 D.S.T. No. 2 DATE 11/11/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 37

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single 1 Total 93

TOTAL ASSEMBLY 158

D.C. ABOVE TOOLS.Stands6 Single Total 356.41

D.P. ABOVE TOOLS.Stands76 Single Total 4734.59

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5249

TOTAL DEPTH 5243

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

H P.O. SUB Top of tool @ 5086

H C.O. SUB 5087

H S.I. TOOL 5092

H

H HMV 5097

H JARS 5102

H

H SAFETY JOINT 5104

■ PACKER 5108

■ PACKER 5113

H DEPTH 5113

1'to 5114

H ANCHOR 31'of perms.to 5145

H Alpine rec.5119

H 93' of drillpipe- 5238

H

H

H

H

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H

H

H

H

H

H BULLNOSE 5'bullnose to T.D.

Ak-1 rec. @ 5140

5238

TEST HISTORY

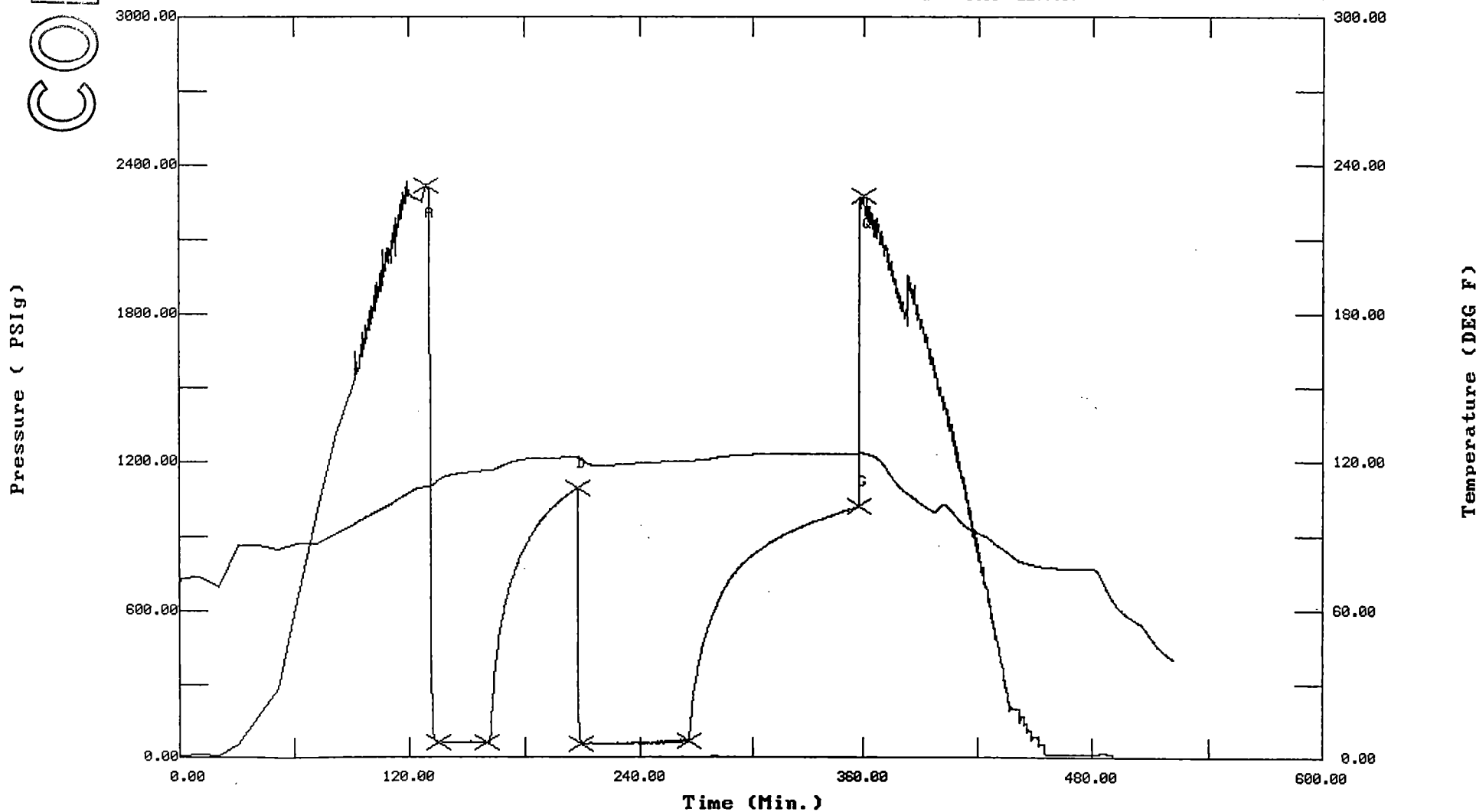
Tk#13250 DST#2 Nielsen#4-2 American Warrior, Inc.

Flag Points

t(Min.) P(PSig)

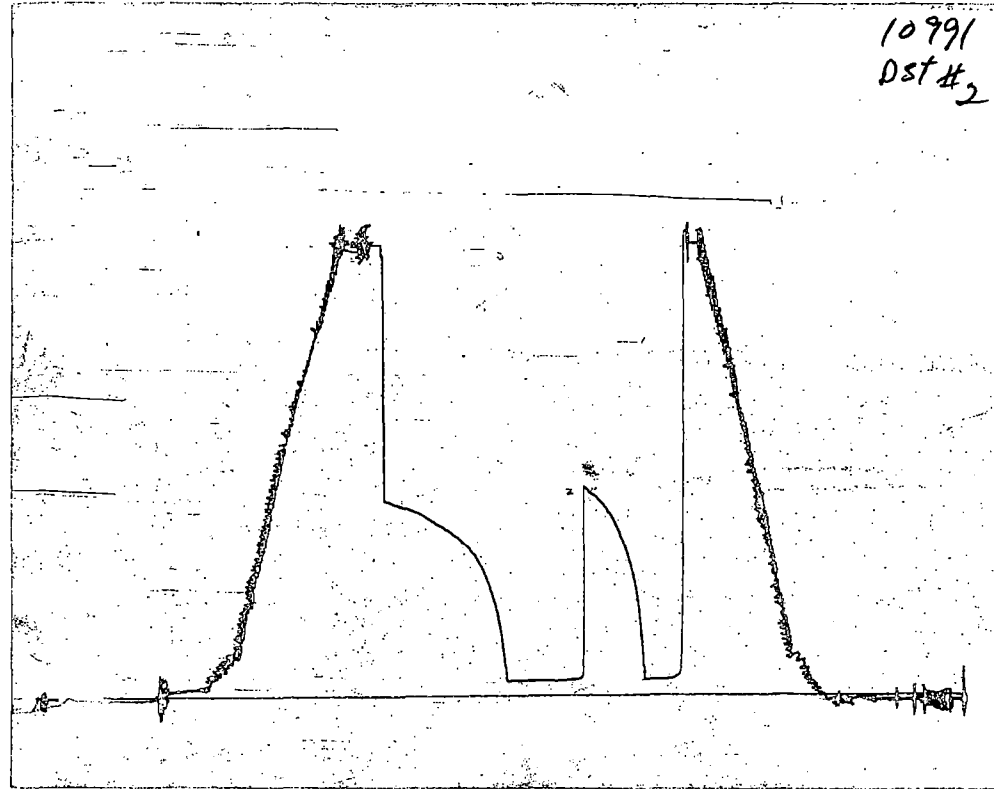
A:	0.00	2316.74
B:	0.00	54.96
C:	25.00	56.14
D:	47.00	1091.47
E:	0.00	52.19
F:	57.00	62.52
G:	91.33	1016.86
Q:	0.00	2277.37

COPY



COPY

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

COPY
No. 13250

Test Ticket

Well Name & No. Nielsen # 4-2 Test No. # 2 Date 11/10/00
 Company American Warrior, Inc Zone Tested MISS
 Address P.O. box 399 Garden City KS 67846-0399 Elevation 1917 KB 1901 GL
 Co. Rep / Geo. AL Downing Cont. Duke #7 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 4 Twp. 33s Rge. 19 W Co. Cumandee State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5115' - 5143' Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 82,000
 Anchor Length 130 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 82,000
 Top Packer Depth 5108' Tool Weight 2100
 Bottom Packer Depth 5715' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5245 Wt. Pipe Run N/A Drill Collar Run 356.71'
 Mud Wt. 8.9 LCM 34 Vis. 50 WL 9.0 Drill Pipe Size 4 1/2 x 11 Ft. Run 4827.59
 Blow Description IF: Strong blow b.o.b. in 30 sec 6T 5 min Gauge Gas.
1ST: Bled down for 5 mins. No blow back.
FF: Strong blow b.o.b. in 15 sec. Gauge gas!
FST: Bled down for 5 mins

Recovery — Total Feet 150' GIP _____ Ft. in DC 150' Ft. in DP _____
 Rec. 150 Feet Of 36 CM 8 %gas %oil %water 92 %mud
 Rec. 4941' Feet Of Gas In pipe %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 BHT 123° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2596</u>	<u>2317</u>	PSI	Recorder No. <u>2350</u>	T-On Location <u>1600</u>
(B) First Initial Flow Pressure	<u>85</u>	<u>55</u>	PSI	(depth) <u>5719</u>	T-Started <u>1850</u>
(C) First Final Flow Pressure	<u>85</u>	<u>56</u>	PSI	Recorder No. <u>10991</u>	T-Open <u>1926</u>
(D) Initial Shut-In Pressure	<u>1151</u>	<u>1091</u>	PSI	(depth) <u>5740</u>	T-Pulled <u>2311</u>
(E) Second Initial Flow Pressure	<u>64</u>	<u>52</u>	PSI	Recorder No. _____	T-Out <u>0100</u>
(F) Second Final Flow Pressure	<u>64</u>	<u>63</u>	PSI	(depth) _____	T-Off Location <u>0300</u>
(G) Final Shut-in Pressure	<u>1087</u>	<u>1017</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2608</u>	<u>2277</u>	PSI	Initial Shut-in <u>45</u>	Jars <input checked="" type="checkbox"/>
				Final Flow <u>60</u>	Safety Joint <input checked="" type="checkbox"/>
				Final Shut-in <u>90</u>	Straddle _____

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Approved By [Signature]
 Our Representative Dawn J. Downing

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elec. Rec.
 Mileage _____
 Other _____
 TOTAL PRICE \$ _____