

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

ORIGINAL

Operator: License # 4058

Name: American Warrior, Inc.

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: Texaco

Operator Contact Person: Scott Corsair

Phone (913) 398-2270

Contractor: Name: Discovery Drilling

License: 31548

Wellsite Geologist: Scott Corsair

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:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11-22-1994 12-1-1994 1-5-1995  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23844-0670

County Ness

300' N E NE/4 Sec 34 Twp. 18s Rge. 21 x E

990 Feet from S (circle one) Line of Section

1320 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(NE) SE, NW or SW (circle one)

Lease Name Price Well # 8

Field Name Ryversee NW

Producing Formation Mississippian

Elevation: Ground 2156 KB 2164

Total Depth 4210 PBTB NA

Amount of Surface Pipe Set and Cemented at 459 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2363 Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH.1, 5-5-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 2600 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 on 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 Scott Corsair

Title Geologist Date 3-2-1995

Subscribed and sworn to before me this 2nd day of March, 19 95.

Notary Public Bernice Moore

Date Commission Expires 2/7/98

NOTARY PUBLIC - State of Kansas  
BERNICE MOORE  
My Appt. Exp. 2/7/98

19-98  
K.C.C. OFFICE-USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
JAN 1998  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Operator Name American Warrior, Inc Lease Name Price Well # 8  
 Sec. 34 Twp. 18s Rge. 21  East  West  
 County Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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: Dual Induction, Compensated  
 Density Dual Spaced Neutron

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Anhydrite	1364	+800
Heebner	3602	-1438
Lansing	3648	-1484
Base Kansas City	3956	-1792
Pawnee	4042	-1878
Ft. Scott	4111	-1947
Cheokee Shale	4126	-1962
Mississippian Osage	4205	-2041

**CASING RECORD**  New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	23	459	40/60 poz	260	2%gel/3% cc
Production	7 7/8	5 1/2	14	4207	EA-2	75	

**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	4205-4210		

**TUBING RECORD** Size 2 7/8 Set At 4200 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 1-16-1995 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		74		39

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 4205-4210

Other (Specify) \_\_\_\_\_

15-135-23844

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

# ORIGINAL

Well Name PRICE #8 Test No. 1 Date 12/1/94  
 Company AMERICAN WARRIOR Zone CHER-MISS  
 Address PO BOX 399 GARDEN CITY KS 67846 Elevation 2156  
 Co. Rep./Geo. SCOTT CORSAIR Cont. DISCOVERY #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 34 Twp. 18S Rge. 21W Co. NESS State KS

Interval Tested 4120-4210 4120-4210 Drill Pipe Size 4.5" XH  
 Anchor Length 90 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
 Top Packer Depth 4115 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
 Bottom Packer Depth 4120 Mud Wt. \_\_\_\_\_ lb/Gal.  
 Total Depth 4210 Viscosity \_\_\_\_\_ Filtrate \_\_\_\_\_

Tool Open @ 4:11AM Initial Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 2 1/2 MINUTES

Final Blow 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 3 MINUTES

Recovery - Total Feet 1310 Flush Tool? NO

Rec. 60 Feet of GAS IN PIPE  
 Rec. 480 Feet of SLIGHTLY OIL CUT WATERY MUD 5%OIL/10%WATER/85%MUD  
 Rec. 530 Feet of SLIGHTLY OIL CUT WATERY MUD 5%OIL/55%WATER/40%MUD  
 Rec. 300 Feet of SLIGHTLY OIL CUT MUDDY WATER 5%OIL/85%WATER/10%MUD  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 119 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.25 @ 61 °F Chlorides 32000 ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 2150.8 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 196.8 PSI @ (depth) 4124 w/ Clock No. 22348

(C) First Final Flow Pressure 407.4 PSI AK1 Recorder No. 10994 Range 4200

(D) Initial Shut-in Pressure 1207.8 PSI @ (depth) 4203 w/ Clock No. 22389

(E) Second Initial Flow Pressure 462.7 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 608.8 PSI @ (depth) \_\_\_\_\_ w/ Clock No. \_\_\_\_\_

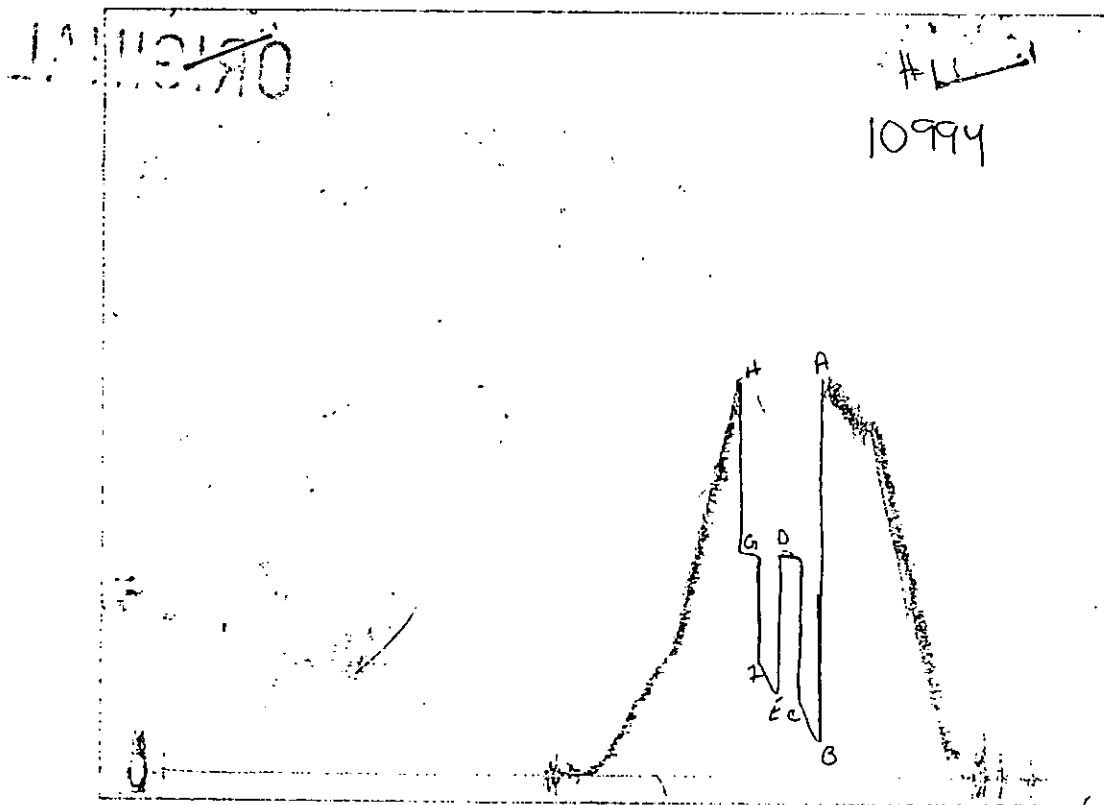
(G) Final Shut-in Pressure 1204.6 PSI Initial Opening 15 Final Flow 15

(H) Final Hydrostatic Mud 2141.1 PSI Initial Shut-in 15 Final Shut-in 15

Our Representative PAUL SIMPSON

RECEIVED  
 STATE COMMISSION  
 JAN 9 1995  
 COMMERCIAL DIVISION  
 HAYS, KS

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2162	2151
(B) FIRST INITIAL FLOW PRESSURE	192	196.8
(C) FIRST FINAL FLOW PRESSURE	394	407.4
(D) INITIAL CLOSED-IN PRESSURE	1198	1208
(E) SECOND INITIAL FLOW PRESSURE	457	462.7
(F) SECOND FINAL FLOW PRESSURE	586	608.8
(G) FINAL CLOSED-IN PRESSURE	1198	1205
(H) FINAL HYDROSTATIC MUD	2141	2141



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

ADDRESS: *American Wellco*  
 CITY, STATE, ZIP CODE: *Box 390 Garden City, Ks.*

No. 599531 - 9

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>High R 25535</i>	WELL/PROJECT NO. <i>#8</i>	LEASE <i>Price</i>	COUNTY/PARISH <i>Wks</i>	STATE <i>Ks.</i>	CITY/OFFSHORE LOCATION	DATE <i>11-24-94</i>	OWNER <i>Sumc</i>	
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <i>Discovery D. by Rig #1</i>	SHIPPED VIA	DELIVERED TO <i>Location</i>	ORDER NO. <i>1934</i>	CONTAINER NO.	
3. WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO.	WELL LOCATION <i>Sec 134-135-21</i>	REFERRAL LOCATION			INVOICE INSTRUCTIONS <i>H.I. AN</i>

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF									
<i>000-117</i>		<i>1</i>			<i>MILEAGE TRK # 517917 RTM</i>	<i>34</i>	<i>mi</i>	<i>1</i>	<i>mi</i>	<i>52</i>	<i>1/2</i>	<i>93</i>	<i>50</i>
<i>001-016</i>		<i>1</i>			<i>Pump Service</i>	<i>1</i>	<i>unit</i>			<i>630</i>	<i>100</i>	<i>630</i>	<i>10</i>
<i>030-503</i>		<i>1</i>			<i>LAH Top Plug</i>	<i>1</i>	<i>ea</i>	<i>85</i>	<i>in</i>	<i>95</i>	<i>100</i>	<i>75</i>	<i>50</i>
ORIGINAL													

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>X [Signature]</i> DATE SIGNED _____ TIME SIGNED _____ <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<b>SURVEY</b> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE <input type="checkbox"/>	PAGE TOTAL <i>818</i> <i>50</i>
	TYPE LOCK _____ DEPTH _____	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input type="checkbox"/>	FROM CONTINUATION PAGE(S) <i>2472</i> <i>44</i>
	BEAN SIZE _____ SPACERS _____	WE UNDERSTOOD AND MET YOUR NEEDS? <input type="checkbox"/>	
	TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____	OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input type="checkbox"/>	
TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input type="checkbox"/>	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>3290</i> <i>64</i>
TREE CONNECTION _____ TYPE VALVE _____	<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.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X [Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>[Signature]</i>	EMP # <i>130119</i>	HALLIBURTON APPROVAL
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**JOB LOG** HAL-2013-C

CUSTOMER American Whiting	WELL NO. #8	LEASE Pine	JOB TYPE Surface
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0330							Called out
	0530							on loc. set up truck Rig Drilling
	0515							Start 5 7/8" Csg. in hole
	0600							Csg. on Bottom Break circulation
	0740		60					Mix 200 lb 40-60 Poz 2% Gel, 3% cc
								Finished mixing Release Plug
	0950		28					Start Dis. 2 3/4"
	10:00							Plug down cir. 22' set out to pit ✓
								shut in at well head
								wash + pack up truck
								Job Complete

ORIGINAL

Thank You  
Rogell

RECEIVED  
STATE COMMISSION  
JAN 9 1998  
CONSERVATION DIVISION



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. **599531**

HALLIBURTON ENERGY SERVICES

CUSTOMER: *Halliburton Energy Services* WELL: *Price #1* DATE: *11-27-94* PAGE: *2* OF: *2*

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>24176</i>		<i>1</i>		<i>B</i>	<i>4 1/2" x 2 1/2" x 10' Standard</i>	<i>360</i>				<i>1257.1708</i>	<i>70</i>
<i>506-121</i>		<i>1</i>		<i>B</i>	<i>Halliburton Gel @ 26</i>						<i>16</i>
<i>509466</i>		<i>1</i>		<i>B</i>	<i>Calump (Kerida)</i>	<i>6</i>				<i>36.75</i>	<i>220.50</i>
<i>500-207</i>		<i>1</i>		<i>B</i>	SERVICE CHARGE					<i>1.75</i>	<i>36.7</i>
<i>500-366</i>		<i>1</i>		<i>B</i>	MILEAGE CHARGE					<i>1.75</i>	<i>36.7</i>
					TOTAL WEIGHT						
					LOADED MILES						
					TON MILES						
					CUBIC FEET	<i>277</i>					<i>95</i>
						<i>185.827</i>					<i>176.54</i>

ORIGINAL

ALBUQUERQUE  
STATE COURT  
JAN 9  
COURT REPORTING

No. B 232589

CONTINUATION TOTAL *2472.44*

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 34 TWP. 13 RNG. 21 COUNTY W.C. STATE K.

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 459

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	<u>23</u>	<u>8 1/2</u>	<u>R.P.</u>	<u>459</u>	
LINER	<input type="checkbox"/>					
TUBING	<input type="checkbox"/>					
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11 24 94</u>	DATE <u>11 24 94</u>	DATE <u>11 24 94</u>	DATE <u>11 24 94</u>
TIME <u>0830</u>	TIME <u>1200</u>	TIME	TIME

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>1 1/2" 57"</u>	<u>1</u>	<u>110000</u>
HEAD		
PACKER		
OTHER		

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>R. H. ...</u>	<u>40012</u>	<u>Dayton</u>
<u>T. H. ...</u>	<u>51114</u>	<u>"</u>
<u>R. H. ...</u>	<u>51230</u>	<u>51230/4103</u>

**ORIGINAL**

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT C-3

DESCRIPTION OF JOB C-3 57" Sucker Rod

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Tom Al

HALLIBURTON OPERATOR R. B. ... COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>40/100 R-2</u>		<u>R</u>	<u>24 CC, 3200</u>	<u>1.3</u>	<u>13.6</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 60  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 20 REASON Required

REMARKS: SEE CHART

STATE OF OHIO JAN 9 1995

CUSTOMER

CUSTOMER: \_\_\_\_\_ LEASE: \_\_\_\_\_ WELL NO.: \_\_\_\_\_ JOB TYPE: \_\_\_\_\_ DATE: \_\_\_\_\_





HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO:  
 ADDRESS: AMERICAN WARRIOR INC  
 CITY, STATE, ZIP CODE: P.O. BOX 399 GARDEN CITY, KS 67846

DUNCAN COPY

TICKET

No. 722682 - 4

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>HAYS, KS</u>	WELL/PROJECT NO. <u>8</u>	LEASE <u>PRICE</u>	COUNTY/PARISH <u>NESS</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>12-1-94</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>DISCOVER DRILLING</u>	RIG NAME/NO. <u>RIG #1</u>	SHIPPED VIA <u>51143</u>	DELIVERED TO <u>LOUATON</u>	ORDER NO. <u>51143</u>
3.	WELL TYPE	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>15-135-23844</u>	WELL LOCATION <u>186 - R</u>	STATE CO. <u>KS</u>	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

RECEIVED

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	34	MI			2.75	93.50
001-016		1			PUMP SERVICE	4211	FT			16.70	1670.00
80	855.137	1			FORMATION PACKER SHOES	1	EA	5 1/2"		2504.00	2504.00
82	855.01543	1			FILL UP UNIT	1	EA			60.00	60.00
40	807.93022	1			S-4 CENTRALIZERS	8	EA	5 1/2"		44.00	352.00
320	800.8823	1			CEMENT BASKETS	3	EA	5 1/2"		110.00	330.00
73	813.0151	1			PORT COLLAR	1	EA	5 1/2"		1300.00	1300.00
018-317		1			SUPER FLOUGH	6	EA			100.00	600.00
218-738		1			CLAYEX II	2	GA			24.00	48.00

ORIGINAL

**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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<input type="checkbox"/> SURVEY?	<input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE	PAGE TOTAL <b>6957.50</b>
TYPE LOCK _____ DEPTH _____ BEAN SIZE _____ SPACERS _____	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?		FROM CONTINUATION PAGE(S) <b>2601.39</b>
TYPE OF EQUALIZING SUB. _____ CASING PRESSURE _____ TUBING SIZE _____ TUBING PRESSURE _____ WELL DEPTH _____	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>9558.89</b>
TREE CONNECTION _____ TYPE VALVE _____	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND		

DATE SIGNED: 12-1-94 TIME SIGNED: 1700 P.M.

do  do not require IPC (Instrument Protection).  Not offered

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Scott Coxson</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X Scott Coxson</u>	HALLIBURTON OPERATOR/ENGINEER <u>WARDE E. WILSON</u>	EMP # <u>89377</u>	HALLIBURTON APPROVAL
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TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 722532

HALLIBURTON ENERGY SERVICES

CUSTOMER: *Hess - Williams* WELL: *FR 27* DATE: *12-1-94* PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
<i>704 708</i>		<i>1</i>		<i>B</i>	<i>Sta. hand</i>	<i>110</i>				<i>7.92</i>	<i>871.20</i>
<i>709 966</i>		<i>1</i>		<i>B</i>	<i>SOIT</i>	<i>150</i>	<i>16</i>			<i>1.5</i>	<i>2250.00</i>
<i>707 774</i>		<i>1</i>		<i>B</i>	<i>Holod 344</i>	<i>35</i>	<i>16</i>			<i>2715</i>	<i>950.25</i>
<i>708 127</i>		<i>1</i>		<i>B</i>	<i>Col/Sol</i>	<i>4</i>				<i>2540</i>	<i>10160.00</i>
<i>708 291</i>		<i>1</i>		<i>B</i>	<i>G. Karite</i>	<i>525</i>	<i>16</i>			<i>40</i>	<i>21000.00</i>
<i>709 968</i>		<i>1</i>		<i>B</i>	<i>SOIT</i>	<i>150</i>	<i>16</i>			<i>1.5</i>	<i>2250.00</i>
<i>707 153</i>		<i>1</i>		<i>B</i>	<i>CFE-3</i>	<i>17</i>				<i>485</i>	<i>8245.00</i>
<b>ORIGINAL</b>											
<i>706 207</i>		<i>1</i>		<i>B</i>	SERVICE CHARGE						
<i>500 36</i>		<i>1</i>		<i>R</i>	MILEAGE CHARGE						
						TOTAL WEIGHT	LOADED MILES	TON MILES			
						<i>12067</i>	<i>17</i>	<i>102569</i>			
										CUBIC FEET	
										<i>137</i>	
										<i>135</i>	<i>18475</i>
										<i>95</i>	<i>9745</i>

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 CONSTRUCTION DIVISION

No. B 232594

CONTINUATION TOTAL *2601.79*

FIELD \_\_\_\_\_ SEC. 34 TWP. 12S RNG. 21W COUNTY WESS STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	0	14	5 7/8	KB	4211	
LINER						
TUBING						
OPEN HOLE			7 7/8	4211	4214	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-1	DATE 12-1	DATE 12-1	DATE 12-1
TIME 1100	TIME 1430	TIME 2000	TIME 2200

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>PAKIR 5112</u>	<u>1</u>	<u>HOOPER</u>
FLOAT SHOE <u>PAKIR 5112</u>	<u>1</u>	<u>"</u>
GUIDE SHOE		
CENTRALIZERS <u>2-4</u>	<u>13</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG <u>WATER DOWN</u>	<u>1</u>	<u>"</u>
HEAD <u>PC</u>	<u>1</u>	<u>"</u>
PACKER <u>PAKIR POST COLLAR</u>	<u>1</u>	<u>PAKIR</u>
OTHER <u>PACKETS</u>	<u>3</u>	<u>HOOPER</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. WILSON	B9317	11452, KS
D. ABU	E1609	"
M. KAREEM	G1211	"

ORIGINAL

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB 5 7/8" LOGGING  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X SCOTT COBSNER  
 HALLIBURTON OPERATOR Wayne W. W. COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>35</u>	<u>STANDARD</u>		<u>B</u>	<u>1075 SALT</u>	<u>1.20</u>	<u>15.8</u>
	<u>75</u>	<u>EA-2</u>		<u>B</u>	<u>590 CEMENT, 12 1/2 SALT, 1/2 1/2 HAWK 341, 1/4 1/2 CR-3, 7 1/2 GEL-SOLITE</u>	<u>1.36</u>	<u>15.5</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 19.00' REASON WATER DOWN BITTIC

SUMMARY

VOLUMES

PRESLUSH (BBL) GAL. 20 / 6 TYPE CUTTING / DISPLACEMENT  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ PERMITTED DISPL. BBL.-GAL. 102.6  
 CEMENT SLURRY: BBL.-GAL. 7.5 18.2 = 25.7  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 REMARKS 9 1"  
TP - 4222  
CENTRALIZERS - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
POST COLLAR - 2363 1" TOP 59  
SET 3' OFF BOTTOM

**JOB LOG FORM 2013 R-3**

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
ACQUEDON WARRIOR		2		PRILL		5 1/2" (10.000 STB-1)		722632	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1100							CALLED OUT	
	1430							COLLOCATED - DEPRESS JOB PROCEEDING	
	1930							DROP SMALL BALL - BREAK OUT FULL UP UNIT	
	2010							BREAK CIRCULATION - MWD PUMP	
								DROP BIG BALL - SET PACKER SHOES	
								LOAD CATCH DOWN PLUG	
	2026	1	0		✓	200		START CEMENT FLUSH	
	2038		14		✓	1400		SET PACKER SHOES	
		5	20		✓	250		FLUSH CEMENT	
	2040	6	6		✓	250		PUMP SUBSTITUTION	
	2045		3.2					PLUG RATIONALE (15 WEL)	
	2048	5 1/2	22.5		✓	250		MAX CEMENT	
	2058							WASH OUT PUMP - LEDES	
	2059							RELEASE PLUG	
	2101	7	0		✓	400		RELEASE PLUG	
	2116		102.6		✓	1400		PLUG DOWN	
	2117							OK RELEASE PSE - HOLD	
								WASH-UP	
	2200							JOB COMPLETE	
								THROW	
								WASH WASH	
								BACK ASH	
								MIX KILLED	

**ORIGINAL**

RECORDED  
INDEXED  
STATE OF TEXAS COMMISSION

JAN 2 1995



HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

ADDRESS: *American Wellco*  
 CITY, STATE, ZIP CODE: *Box 390 Garden City, Ks.*

No. 599531 - 9

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Hwy 255-35</i>	WELL/PROJECT NO. <i>#8</i>	LEASE <i>Price</i>	COUNTY/PARISH <i>Mc</i>	STATE <i>Ks.</i>	CITY/OFFSHORE LOCATION	DATE <i>11-24-94</i>	OWNER <i>Service</i>
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <i>Di-country D-ly Rig #1</i>	SHIPPED VIA	DELIVERED TO <i>Location</i>	ORDER NO.	
3. WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO.	WELL LOCATION <i>See 34-135-21</i>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE TRK # 517917	34	mi	1	unit	2.75	93.50
001-016		1			Pump Service			1	unit	630.00	630.00
030-503		1			LAH Top Plug	1	ea	8.75	in	75.00	75.00
ORIGINAL											

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<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.				SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> <input type="checkbox"/> AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE		<b>PAGE TOTAL</b> 818 18	
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <input checked="" type="checkbox"/> <i>Tom Ash</i>				TYPE LOCK DEPTH		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		<b>FROM CONTINUATION PAGE(S)</b> 2472 14	
DATE SIGNED TIME SIGNED <input type="checkbox"/> A.M. <input type="checkbox"/> P.M.				BEAN SIZE SPACERS		WE UNDERSTOOD AND MET YOUR NEEDS?			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered				TYPE OF EQUALIZING SUB. CASING PRESSURE		OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
TUBING SIZE TUBING PRESSURE WELL DEPTH				TREE CONNECTION TYPE VALVE		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
						ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		<b>SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE</b> 3290 64	
						<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.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <input checked="" type="checkbox"/> <i>Tom Ash</i>	HALLIBURTON OPERATOR/ENGINEER <i>Paul R. ...</i>	EMP # <i>130119</i>	HALLIBURTON APPROVAL
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JOB LOG HAL-2013-C

DATE 11-24-94 PAGE NO. 1

CUSTOMER American Waxing WELL NO. #8 LEASE Pine JOB TYPE Surface TICKET NO. 599531

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0330							Called out
	0530							on loc. set up toward Rig Drilling
	0545							Start 8 7/8" Csg. in hole
	0700							Csg. on Bottom Break circulation
	0940		60					Mix 260 lb 40-60 Pbz 2% Gel, 3% cc
								Finished mixing Release Plug
	0950		28					Start Dis. 2 3/4"
	10:00							Plug down cir. 22 5/8" cut. to pit
								shut in at well head
								wash + back up truck
								Job Complete

ORIGINAL

Thank You  
Rogers

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STATE COMMISSION

JAN 9 1995

COMMISSION DIVISION  
1825

CUSTOMER



HALLIBURTON ENERGY SERVICES

CUSTOMER <i>Anne's Location</i>	WELL <i>Pine #2</i>	DATE <i>11-27-94</i>	PAGE <b>2</b>	OF <b>2</b>
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>24 176</i>		<i>1</i>		<i>B</i>	<i>41/10 2 1/2 inch Standard</i>	<i>260</i>				<i>6257</i>	<i>1708 70</i>
<i>506-<del>221</del></i>		<i>1</i>		<i>B</i>	<i>Halliburton Gel @ 2 1/2</i>						<i>MC</i>
<i>509406</i>		<i>1</i>		<i>B</i>	<i>Calcium Chloride</i>	<i>6</i>				<i>3675</i>	<i>230 50</i>
<i>500 207</i>		<i>1</i>		<i>B</i>	SERVICE CHARGE						
<i>500-306</i>		<i>1</i>		<i>B</i>	MILEAGE CHARGE						
					TOTAL WEIGHT						
					LOADED MILES						
					CUBIC FEET						
					TON MILES						
						<i>272</i>				<i>125</i>	<i>367 90</i>
										<i>95</i>	<i>176 59</i>

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 6 MARCH  
 1995

ORIGINAL

WELL DATA

FIELD \_\_\_\_\_ SEC. 34 TWP. 13 RNG. 21 COUNTY W.C. STATE K.

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 459

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<input checked="" type="checkbox"/>	23	8 1/2	R.B.	459	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11 24 54</u>	DATE <u>11 24 54</u>	DATE <u>11 24 54</u>	DATE <u>11 24 54</u>
TIME <u>08:30</u>	TIME <u>12:00</u>	TIME	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>1 1/2" 57"</u>	<u>1</u>	<u>110000</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Hightower</u>	<u>40212</u>	<u>11/24/54</u>
<u>T. Hightower</u>	<u>51144</u>	<u>"</u>
<u>R. Hightower</u>	<u>51270</u>	<u>51270/71003</u>

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT C-3  
 DESCRIPTION OF JOB C 4 1/2" Surface Pipe  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X Tom A.  
 HALLIBURTON OPERATOR R. B. Hightower COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>260</u>	<u>46/100 P2</u>	<u>P2</u>	<u>24 C.C.</u>	<u>24.00</u>	<u>1.3</u>	<u>13.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 20 REASON Requested

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. (BBL.-GAL.) 24  
 CEMENT SLURRY: BBL.-GAL. 60  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

REMARKS

See Chart + Job Log  
Thank you - Request

CUSTOMER \_\_\_\_\_  
 LEASE \_\_\_\_\_  
 WELL NO. \_\_\_\_\_  
 JOB TYPE \_\_\_\_\_  
 DATE \_\_\_\_\_



ORIGINAL

**SCOTT CORSAIR**

**PETROLEUM GEOLOGIST**

211 N. Main P.O. Box 6  
Bazine, Ks 67516  
913-398-2270 Mobile 913-731-5060  
FAX 913-398-2586

15-135-23844

**GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

PRICE NO. 8  
300' N of C NE/4  
Section 34-18S-21W  
Ness County, Kansas

RECEIVED  
STATE CORPORATION COMMISSION

JAN 9 1994

CONSERVATION DIVISION  
KANSAS

**OPERATOR:** AMERICAN WARRIOR, INC.  
**WELL:** PRICE NO. 8  
**API NO.:** 15-135-23844  
**LOCATION:** 300' N of C NE/4, SEC. 34-18S-21W  
**WELLSITE:** FARMGROUND  
**COMMENCED:** NOVEMBER 22, 1994  
**COMPLETED:** DECEMBER 1, 1994  
**ELEVATIONS:** 2156' GL ; 2164' KB  
**TOTAL DEPTH:** 4214' (DRILLER); 4210 (LOGGER)  
**CASING:** SURFACE: 8 5/8 @ 459/260 SKS.  
 PRODUCTION: 5 1/2 @ 4207' W/75 SKS  
 BAKER PORT COLLAR @ 2363'  
**SAMPLES:** 10 FT. FROM 3600' TO T.D.  
**LOGS:** DUAL INDUCTION, COMPENSATED DENSITY  
 DUAL SPACED NEUTRON, BY HLS  
**CONTRACTOR:** DISCOVERY DRILLING (RIG 1)

REMARKS: Geological supervision: 3600' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1364	+800		
Heebner	3602	-1438	3603	-1439
Lansing	3648	-1484	3649	-1485
Base Kansas City	3956	-1792	3953	-1789
Pawnee	4042	-1878	4044	-1880
Ft. Scott	4111	-1947	4112	-1948
Cherokee Shale	4126	-1962	4128	-1964
Mississippian Osage	4205	-2041	4207	-2043N 9

RTA 1948  
COMMISSION

1998

COMMISSION

# SAMPLE ZONE DESCRIPTION

Logger's Measurements  
LANSING-KANSAS CITY 3648 -1484

There were no shows of oil/gas observed in the porous zones during the drilling of the Lansing-Kansas City section.

## PAWNEE 4042 -1878

There were no shows of oil/gas observed during the drilling of the Pawnee section.

## FT. SCOTT 4111 -1947

Limestone: gray to buff, crystalline, dense, no visible show.

## CHEROKEE 4126 -1962

**4147-4151, Sandstone**: clear, fine grained, clusters, slight show of free oil, dull fluorescence, good fluorescence when clusters are broke, good cut, no odor.

**4163-4173, Sandstone**: clear, fine grained, fairly sorted, clusters, slight show free oil, dull fluorescence, good cut fluorescence when cluster broke, no odor.

**4176-4180, Sandstone**: clear to tan, fine grained, clusters, slight show free oil, good cut fluorescence when broke, no odor.

## MISSISSIPPIAN OSAGE 4228 -2043

Dolomite: brown, sucrosic, excellent intergranular porosity, good show of free oil, good fluorescence and cut fluorescence; Chert: white, weathered and tripolitic, fair vuggy porosity, very slight show of free oil, good fluorescence and excellent cut, good odor.

Drill Stem Test No. 1: 4124-4214 /15-15-15-15/ 2 inch blow building to bottom of the bucket in 2.5 minutes during the initial flow; ½ inch blow building to bottom of the bucket during final flow; Recovered 1310 feet of total fluid and 60 feet of gas; 480 feet of slightly oil cut watery mud, 5% oil/10% water/ 85% mud; 530 feet of slightly oil cut watery mud, 5% oil/55% water/40% mud; 300 feet slightly oil cut muddy water, 5% oil/85% water/ 10% mud.

IHP 2150.8  
IFP 196.8-407.4  
ISIP 1207.8  
FFP 462.7-608.8  
FSIP 1204.6  
FHP 2141.1

STATE OF KANSAS

JAN 9 1963

RECORDED  
1963

FORMATION	AMERICAN WARRIOR, INC. Price #7 C S/2 NE/4 34-18S-21W	AMERICAN WARRIOR, INC. Price #7 C S/2 NE/4 34-18S-21W	AMERICAN WARRIOR, INC. Price #6 C N/2 NE SE 34-18S-21W
Anhydrite	+800	+800	+ 800
Lansing	-1484	-1483	-1486
Cherokee	-1962	-1962	-1972
Mississippian Osage	-2041	-2047	-2049

### SUMMARY AND RECOMMENDATIONS


Drill Stem Tests, sample examination and Electrical log analysis indicate probable commercial production from the Cherokee Sand and Mississippian Osage. Based upon available data 5 1/2" production casing was set.

Pipe was set 3 feet off bottom @ 4207'. The following zones are recommended for testing.

1. Mississippian Osage: 4207-4210 (perforated/open hole)
2. Cherokee Sand: 4176-4180
3. Cherokee Sand: 4163-4169
4. Cherokee Sand: 4148-4151

Measurements were taken from rotary kelly bushing ( 8 feet above ground level). Logger's measurements are taken as correct.

Respectfully,

  
 Scott Corsair  
 Petroleum Geologist

STATE OF MISSISSIPPI  
 COMMISSION

JAN 9 1974

GENERAL INVESTIGATION DIVISION  
 3345