



Operator Name American Warrior, Inc. Lease Name Witthuhn Well # 1-35  
 Sec. 35 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1395	+802
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3645	-1448
List All E.Logs Run:	Dual Induction, Dual Compensated Porosity, Borehole Compensated Sonic	Lansing	3690	-1493
		Base Kansas City	4004	-1807
		Marmaton	4021	-1824
		Pawnee	4089	-1892
		Ft. Scott	4154	-1957
		Cherokee Shale	4171	-1974
		Mississippian Osage	4241	-2044

CASING RECORD <input type="checkbox"/> New <input checked="" 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 Pipe	12 1/4	8 5/8	24	206.29	60/40Poz	140	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4248	HLC	25	
					EA/2	75	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Surface 2436	Midcon II	470	1/4# flocele, 2% cc

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	4244-4248		

<b>TUBING RECORD</b>	Size 2 3/8	Set At 4220	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 11-12-1997	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. 45	Gas Mcf	Water Bbls. 110	Gas-Oil Ratio 38

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 4244-4249



## Kansas Corporation Commission

Bill Graves, Governor John Wine, Chair Susan M. Seltsam, Commissioner Cynthia L. Claus, Commissioner

American Warrior, Inc.  
Attn: Scott Corsair  
P.O. Box 399  
Garden City, KS. 67846

January 30, 1998

**Re:** Confidentiality of Information on  
Witthuhn #1-35  
A.P.I. #15-135-24,025  
Sec. 35- Twn. 18S. - Rng. 21 W.  
Ness County, Kansas

Dear Scott Corsair:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection (d) of that regulation states that "**all rights to confidentiality shall be lost if the filings are not timely.**"

The above-referenced well was spud September 18, 1997 and the ACO-1 was received on January 26, 1998 (not within the 120 days timely requirement). Therefore, your request for confidential treatment of this information cannot be granted.

If you should have any questions, please do not hesitate to contact me at (316) 337-6200.

Sincerely,

A handwritten signature in cursive script that reads "David P. Williams".

David P. Williams  
Production Supervisor

jlp

**SCOTT CORSAIR**  
AMERICAN WARRIOR, INC.  
PETROLEUM GEOLOGIST  
Intern Petroleum Engineer #10906  
210 Avenue A  
P.O. Box 6  
Bazine, Ks 67516  
785-398-2270 Fax 785-398-2586  
Mobile 785-731-5060

OVER 120  
days

January 9, 1998

Kansas Corporation Commission  
Conservation Division  
M. L. Korphage, Director  
130 S. Market - Room 2078  
Wichita, Kansas 67202

RECEIVED  
STATE CORPORATION COMMISSION

JAN 26 1998

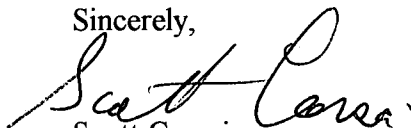
CONSERVATION DIVISION  
WICHITA, KANSAS

RE: American Warrior, Inc. Witthuhn #1-35, API# 15-135-24025

Dear Mr. Korphage:

American Warrior, Inc. hereby requests that the information on side two of the ACO-1 for the above referenced well be held confidential.

Sincerely,

  
Scott Corsair



**HALLIBURTON**

**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

AMERICAN WARRIOR INC

ADDRESS

CITY, STATE, ZIP CODE

CUSTOMER COPY

TICKET

No.

197161 - 8

PAGE 1 OF 2

1. SERVICE LOCATIONS 1105, 23	WELL/PROJECT NO. 1-35	LEASE WETAHAW	COUNTY/PARISH NESS	STATE KS	CITY/OFFSHORE LOCATION LOANTON	DATE 9-18-97	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	NITROGEN <input type="checkbox"/> SALES <input checked="" type="checkbox"/> NO	CONTRACTOR DISCOVERY SERVICE	RIG NAME/NO. *1	SHIPPED VIA 53293	DELIVERED TO LOANTON	ORDER NO.
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION	15135240250000	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS	01	01	010	85 - 186 - J12R		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE		100	MI	3.20	320.00	
001-016		1			PUMP SERVICE		206	FT	6.96	696.00	
030-533		1			WOOD PUMP UNIT		1	EA	95.00	95.00	

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.  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		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL  FROM CONTINUATION PAGE(S)  SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
	TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
	BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
DATE SIGNED X Thomas AL 9-18-97	TIME SIGNED 1230	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION	TYPE VALVE		ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND								2963.27

**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	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
	X Thomas AL	WAYNE WELSH	89377	

TICKET #	1211	TICKET DATE	1/19/88
BDA / STATE	TX	COUNTY	DAWSON
PSL DEPARTMENT	TOM ALM		
CUSTOMER REP / PHONE	API / UWI # 15135 24025 0000		
DEPARTMENT	JOB PURPOSE CODE 010		

REGION	North America	NWA/COUNTRY	
MBU ID / EMP #		EMPLOYEE NAME	
LOCATION		COMPANY	
TICKET AMOUNT		WELL TYPE	
WELL LOCATION		DEPARTMENT	
LEASE / WELL #		SEC / TWP / RNG	35 13c 21w

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
LESTER 116972			

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1600							Call down
3860	1700							Overhaul, Discus Job, Safety Meeting, Setup
	1915							Break Circ w/ Rig
	2000	7	0					Start CUT 140SIS. 40-60 2% gel, 3% cc 7.18
	2005		32.5					END CUT
	2006							Release Plug
	2008	7	0					Start Disp.
	2010		12.1					END Disp. plug @ 191' - 20 SPS TO PLT
								WASH-UP
								Rick-UP
								De Tickets
	2100							Job Complete
								Thank You!
								WAYNE, JAKE, LYLE
								PREPARED
								JAN 20 1988



JOB SU. ARY 4239-1

TICKET # 177/61  
TICKET DATE 9-18-97

REGION North America	NWA/COUNTRY Midcontinent USA	BDA / STATE Midcontinent Kansas	COUNTY Wess
MBU ID / EMP # HAC001 B9377	EMPLOYEE NAME W. Wilson	PSL DEPARTMENT CMT	
LOCATION HKS 16 025525	COMPANY American Warrior	CUSTOMER REP / PHONE TOM ALM	
TICKET AMOUNT 2963.87	WELL TYPE OI	API / UWI # 15135 21025 0000	
WELL LOCATION E. Bazine 16	DEPARTMENT CMT	JOB PURPOSE CODE 010	
LEASE / WELL # W1771011W 1-35	SEC / TWP / RNG 35-18S-21W		

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
W. Wilson B9377			
D. KSH E1609			
L. LEEKER H6872			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420525	100						
53083	100						
3860	100						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	9-18-97	9-18-97	9-18-97	9-18
TIME	1600	1700	1945	2100

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug <i>Wess 8 7/8</i>	1	<i>Herc</i>
Head	1	"
Packer		
Other		

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	1		8 7/8	100	206	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			12 1/4	206	208	SHOTS/FT.
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	ln
NE Agent	Gal.	ln
Fluid Loss	Gal/Lb	ln
Gelling Agent	Gal/Lb	ln
Fric. Red.	Gal/Lb	ln
Breaker	Gal/Lb	ln
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-18	4	9-18	12	8 5/8 Sulfuric
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 ORDERED \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 TREATED \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 FEET 15. Reason *Hydraulic*

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
1	140	40-60	B	2% Gel, 3% CC	1.30	13.6

Circulating _____	Displacement _____	Preflush: _____ Gal - BBI _____	Type _____
Breakdown _____	Maximum _____	Load & Bkdn: _____ Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment _____ Gal - BBI _____	Disp: BBI - Gal <i>1.21</i>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr _____ Gal - BBI <i>327</i>	
		Total Volume _____ Gal - BBI _____	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET No. 197161

Truck# (s)	3860	CUSTOMER	American Trading AMERICAN WAREHOUSE INC	WELL	Wittipit 1-35	DATE	9/18/97	PAGE	2	OF	2
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF		QTY	U/M	QTY	U/M		PRICE
504-136					40/60 Pozmix Standard	140	sk		\$8.14	\$1,139.60	
506-121					Halliburton Gel @2%	2	sk			N/C	
509-406					Calcium Chloride	3	sk		\$46.90	\$140.70	
500-207					SERVICE CHARGE			CUBIC FEET	146	1.55	\$226.30
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
						11,738	50	293.450	1.16	\$346.27	

ORIGINAL

APPROVED

JUN 20 1997

No. B 660132

CONTINUATION TOTAL	\$ 1,852.87
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HALLIBURTON®

HALLIBURTON ENERGY SERVICES

1906-Q

ADDRESS: **AMERICAN WARRIOR**

CITY, STATE, ZIP CODE:

CUSTOMER COPY TICKET No. **308030 - 8**

PAGE 1 OF 2

1. SERVICE LOCATIONS: **HAWK'S**

2. **HAWK'S**

3.

4.

WELL/PROJECT NO.: **1-35**

LEASE: **WITTHUHN**

COUNTY/PARISH: **NESS**

STATE: **KS.**

CITY/OFFSHORE LOCATION:

DATE: **9-25-97**

OWNER: **SHARPE**

TICKET TYPE:  SERVICE  SALES

NITROGEN JOB?  YES  NO

CONTRACTOR: **DESCOURN**

RIG NAME/NO.:

SHIPPED BY: **C.T.**

DELIVERED TO: **WELL SITE**

ORDER NO.:

WELL TYPE: **01**

WELL CATEGORY: **01**

JOB PURPOSE: **035**

WELL PERMIT NO.:

WELL LOCATION: **LAND 35-185-214**

REFERRAL LOCATION:

INVOICE INSTRUCTIONS:

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
			LOC	ACCT	DF		QTY.	U/M		
	000-117		1			MILEAGE 1 UNIT R.T.	100	miles	3.20	320.00
	000-119		1			CREW MILEAGE	100	miles	1.95	N.C.
	051-016		1	ORIGINAL		RIMP CHANGE	6	HS 4248 FT.	1926.00	1926.00
	019-241		1	ORIGINAL		CASING SURVEY	Per Job		300.00	300.00
	030-016		1	ORIGINAL		TOP PULL SW HOOK	1	OP. 5 1/2 in.	66.00	66.00
	018-317		1	ORIGINAL		SUPERFUSH	6	SUS	112.00	672.00
	018-303		1	ORIGINAL		CLAYFOX ID	2	gal.	30.50	61.00
			2			BUX TICKET # 368030				2984.07

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.

X **Scott Corbin**

DATE SIGNED: **9-25-97**

TIME SIGNED: **2:00**

A.M.  P.M.

do not require IPC (Instrument Protection)  Not offered

TYPE LOCK

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN  PULLED  RUN

BEAN SIZE

TYPE OF EQUALIZING SUB. CASING PRESSURE

DEPTH

TUBING SIZE TUBING PRESSURE WELL DEPTH

SPACERS

TREE CONNECTION TYPE VALVE

PAGE TOTAL: **6329.07**

FROM CONTINUATION PAGE(S)

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

**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): **Scott Corbin**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]**

HALLIBURTON OPERATOR/ENGINEER: **KEVIN P. GARDNER 08500**

EMP #

HALLIBURTON APPROVAL: **[Signature]**



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET No. 308030

Tuck# (s)		CUSTOMER		WELL		DATE		PAGE		OF	
52418		American Warrior		Withhorn #1-35		9/25/97		2		2	
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF		U/M	U/M				
504-308					Standard Cement	75	sk	\$10.63	\$812.25		
504-316					Halliburton Light Cement	50	sk	\$9.11	\$455.50		
509-968					Salt	600	lb	\$0.17	\$102.00		
507-210					Floceie	13	lb	\$1.90	\$24.70		
507-153					CFR-3	21	lb	\$5.75	\$120.75		
501-127					Cal Seal	4	sk	\$28.00	\$112.00		
508-291					Gilsonite	250	lb	\$0.50	\$125.00		
507-778					Halad-344	21	lb	\$29.90	\$627.90		
500-207					SERVICE CHARGE		CUBIC FEET	145	1.55	\$224.75	
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			
						12.855	50	321.375	1.18	\$379.22	

ORIGINAL

RECEIVED  
 STATE CORPORATION COMMISSION  
 JAN 26 1998  
 OFFICE OF THE COMMISSIONER

No. B 660141

CONTINUATION TOTAL	\$ 2,984.07
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JOB L 4239-5

TICKET # 4239-5 TICKET DATE 1/25/98

REGION North America	NWA/COUNTRY USA	BDA / STATE TX	COUNTY DALLAS
MBU ID / EMP # 1000	EMPLOYEE NAME JAMES HARRIS	PSL DEPARTMENT WELL SERVICE	
LOCATION 1000	COMPANY HALLIBURTON	CUSTOMER REP / PHONE 1000	
TICKET AMOUNT	WELL TYPE OIL	API / UWI # 1000	
WELL LOCATION 1000	DEPARTMENT WELL SERVICE	JOB PURPOSE CODE 1000	
LEASE / WELL # 1000	SEC / TWP / RNG 1000		

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
1	10:00 10:00							<p>CALLING OUT ON LOCATION RJC RUN (WASING)</p> <p>RUN 4251' 5 1/2" 14" CASING. TD = 4240' SET C/S G AT 4248'. SHOE SI. - 30.76' CENTRALIZER - 1-2-4-5 - 50-54-76-97 BASKET ON 5-51-98 PORT COLLAR ON SI AT 2436' COMPETITION F.E. TAG BOTTOM BROWN CORE. W/ WIND PUMP ROTATE &amp; WASH HOOK UP HOUCO TO CASING</p>
	2000	6	20				500	<p>PUMP 20 BBL COMPLETE H2O PUMP 5 BBL H2O SPACE PUMP 6 BBL SUPERFLOSH PUMP 3 BBL H2O SPACE</p>
		6	3				400	<p>START MIX COMENT (25 SEC. H2O SHOWER) (75 SEC. CH-2 COMENT)</p>
	2025	6	25				200	<p>FINISH MIX COMENT</p> <p>SHUT DOWN WASH OUT LINES &amp; RELEASE PUMP</p>
	2029	7	0				200	<p>START DISP.</p>
		7	82				400	<p>LIFTING MOMENT</p>
		4	95				1000	<p>SLOW RATE</p>
	2045	3	103				1250	<p>PLUG DOWN RELEASE - FRONT HEAD</p> <p>PLUG RAT HEAD &amp; MUSE HEAD</p> <p>WASH UP - PACK UP</p> <p>JOB COMPLETE</p> <p>THANKS. HARRIS</p>
	2130							

STATE REGISTRATION COMMISSION  
JAN 24 1998



**HALLIBURTON ENERGY SERVICES**  
HAL-1906-P

CHARGE TO  
*American Warrior*  
ADDRESS

CITY, STATE, ZIP CODE  
*Garden city Ks*

ORIGINAL - DUNCAN COPT TICKET

No. 196713-0

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>25525</i>	WELL/PROJECT NO. <i># 1-35</i>	LEASE <i>withuhm</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION	DATE <i>9-27-97</i>	OWNER <i>same</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>co tools</i>	RIG NAME NO <i>co tools</i>	SHIPPED VIA <i>ct</i>	DELIVERED TO <i>well site</i>	ORDER NO.
3.	WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>095</i>	WELL PERMIT NO.	WELL LOCATION <i>SW 35-18-21</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>OPEN + cmt Port Collar.</i>					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>000-1M</i>		<i>1</i>		<i>45</i>	<i>MILEAGE 51797 Rtn Rt.</i>	<i>100</i>	<i>mil</i>	<i>16</i>	<i>mil</i>	<i>3.20</i>	<i>320.00</i>
<i>090-910</i>		<i>1</i>		<i>30</i>	<i>Pump service</i>	<i>3</i>	<i>hrs</i>	<i>500</i>	<i>PSI</i>	<i>650.00</i>	<i>650.00</i>
<i>116-437</i>		<i>1</i>		<i>0</i>	<i>Port collar opening tool</i>	<i>1</i>	<i>ea</i>	<i>5 1/2</i>	<i>in</i>	<i>300.00</i>	<i>300.00</i>
<p style="font-size: 2em; opacity: 0.5;">ORIGINAL</p> <p style="font-size: 0.8em; opacity: 0.5;">RECEIVED STATE COOPERATION COMMISSION JUN 26 1998 COMMUNICATIONS SECTION</p>											

**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* *Sutton*  
DATE SIGNED *9-27-97* TIME SIGNED *1000*  A.M.  P.M.

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

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	<b>SURVEY</b>	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S)
BEAN SIZE SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?				
TYPE OF EQUALIZING SUB. CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?				SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
TUBING SIZE TUBING PRESSURE WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

*9392.00*

**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) <i>Scott Carson</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>Scott Carson</i>	HALLIBURTON OPERATOR/ENGINEER <i>Allen F. Welch</i>	EMP # <i>86101</i>	HALLIBURTON APPROVAL
--	---	--	-----------------------	----------------------



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET No. 196713

Tuck# (s)		4444-5070			CUSTOMER	American Warrior		WELL Withheld Withheld	DATE	PAGE	OF
PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF							
504-280				30	Mid Con II	475	500 sk	\$13.53	\$6,785.00		
509-406				30	Calcium Chloride		10 sk	\$46.90	\$469.00		
507-210				30	Flocele		125 lb.	\$1.90	\$237.50		
500-207				30	SERVICE CHARGE		CUBIC FEET 553	1.55	\$857.15		
500-306				43	MILEAGE CHARGE	TOTAL WEIGHT 49,805	LOADED MILES 50	TON MILES 1245.125	1.18	\$1,469.25	
<b>CONTINUATION TOTAL</b>									\$ 9,392.00		

ORIGINAL

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STATE CORPORATION COMMISSION  
JAN 26 1998  
COMPTROLLER OF REVENUE

No. B 660146

CONTINUATION TOTAL \$ 9,392.00

TICKET # <b>19671</b>	TICKET DATE <b>9-27-97</b>
BDA / STATE <b>Ks</b>	COUNTY <b>Ness</b>
PSL DEPARTMENT <b>CMT</b>	CUSTOMER REP / PHONE <b>Scott Corsair</b>
API / UWI #	JOB PURPOSE CODE <b>095</b>

REGION <b>North America</b>	NWA/COUNTRY <b>mid cont</b>
MBU ID / EMP # <b>HA0102 86101</b>	EMPLOYEE NAME <b>Allen F. Werth</b>
LOCATION <b>25525</b>	COMPANY <b>American Warrior</b>
TICKET AMOUNT <b>10,662.00</b>	WELL TYPE <b>01</b>
WELL LOCATION <b>EAST Bazine ks</b>	DEPARTMENT <b>CMT</b>
LEASE / WELL # <b>Witham # 1-35</b>	SEC / TWP / RNG <b>35-18-21</b>

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS <b>Allen F. Werth 86101</b>	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
<b>Terry Henry 70000</b>			
<b>Ben Chatman 47204</b>			

ORIGINAL

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>420624 RCM</b>	<b>90</b>						
<b>51297 RCM</b>	<b>90</b>						
<b>4444.502 BK</b>	<b>90</b>						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type **Port collar** Set At **2436'**  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

MATERIALS		
Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
Prop. Type _____	Size _____	Lb. _____
Acid Type _____	Gal. _____	% _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	In _____
NE Agent _____	Gal. _____	In _____
Fluid Loss _____	Gal/Lb _____	In _____
Gelling Agent _____	Gal/Lb _____	In _____
Fric. Red. _____	Gal/Lb _____	In _____
Breaker _____	Gal/Lb _____	In _____
Blocking Agent _____	Gal/Lb _____	
Perfpac Balls _____	Qty. _____	
Other		
Other		
Other		
Other		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>9-26-97</b>	<b>9-27-97</b>	<b>9-27-97</b>	<b>9-27-97</b>
TIME	<b>2030</b>	<b>0900</b>	<b>1200</b>	<b>1530</b>

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing			<b>5 1/2</b>			
Liner						
Liner						
Tbg/D.P.			<b>2 7/8</b>	<b>KN</b>		
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>9-27-97</b>	<b>6.72</b>	<b>9-27-97</b>	<b>2</b>	<b>cont port collar</b> <b>e 2436'</b>
<b>TOTAL</b>	<b>6</b>	<b>TOTAL</b>	<b>2</b>	

ORDERED	HYDRAULIC HORSEPOWER Avail.	Used
TREATED	AVERAGE RATES IN BPM Disp.	Overall
FEET	CEMENT LEFT IN PIPE Reason	

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>285</b>	<b>midcont</b>	<b>Bulk</b>	<b>290cc 1/4 # floccle</b>	<b>3.72</b>	<b>11.1</b>
	<b>285</b>	<b>midcont</b>	<b>Bulk</b>	<b>290cc 1/4 # floccle</b>		<b>13.0</b>

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal - BBI \_\_\_\_\_ Type \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Disp: BBI - Gal **8 1/2**  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBI **385 + 85 = 470**  
 Total Volume Gal - BBI \_\_\_\_\_

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
 THE INFORMATION STATED HEREIN IS CORRECT  
 CUSTOMER'S REPRESENTATIVE SIGNATURE  
*Scott Corsair*

**JOB LOG**

REGION North America	NWA/COUNTY	TICKET # 190712	TICKET DATE 9-21-98
MBU ID / EMP #	EMPLOYEE NAME	BDA / STATE	COUNTY
LOCATION	COMPANY	PSL DEPARTMENT	
TICKET AMOUNT 10,662.00	WELL TYPE	CUSTOMER REP / PHONE	
WELL LOCATION	DEPARTMENT amt	API / UWI #	
LEASE / WELL #	SEC / TWP / RNG	JOB PURPOSE CODE 095	

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS

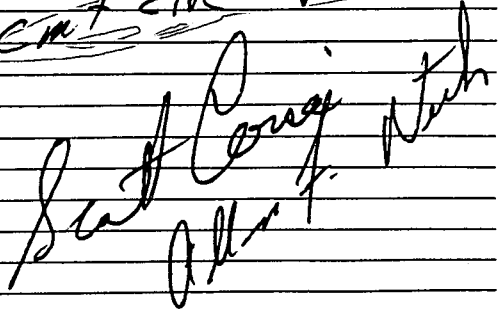
ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BB)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2030							Called out
	0900							ON Location w/ 500SKS MID CON II
								20% CC 44# Floclor
								Discuss safety, set up & plan
								PLAINS Rigging up to Run Hg.
1	0952							Start tool in Hole
								Port collar @ 2434
	1245							PSI on csg
		4				500#		open P.C. 2 1/2 BPM @ 400#
		4				400#		mit cmt. well cir. Right away
								Pump 220 BBLs cmt. cir. to pit
		3						mit 27 BBLs slurry @ 13#/gal
						300#		Disp. 8 1/2 BBLs water
			12			600#		close P.C. + PSI up to ok
	1445					300#		Run down to 2524 + CIR clean
								pull opening tool
	1600							job complete
								out of hole w/ tool

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JAN 26 1998

COMMISSIONER

amt + cir to pit. 5  
  
 Jeff Cowie  
 Allt. f. Tech

THANKS Allan, P.C., Terry

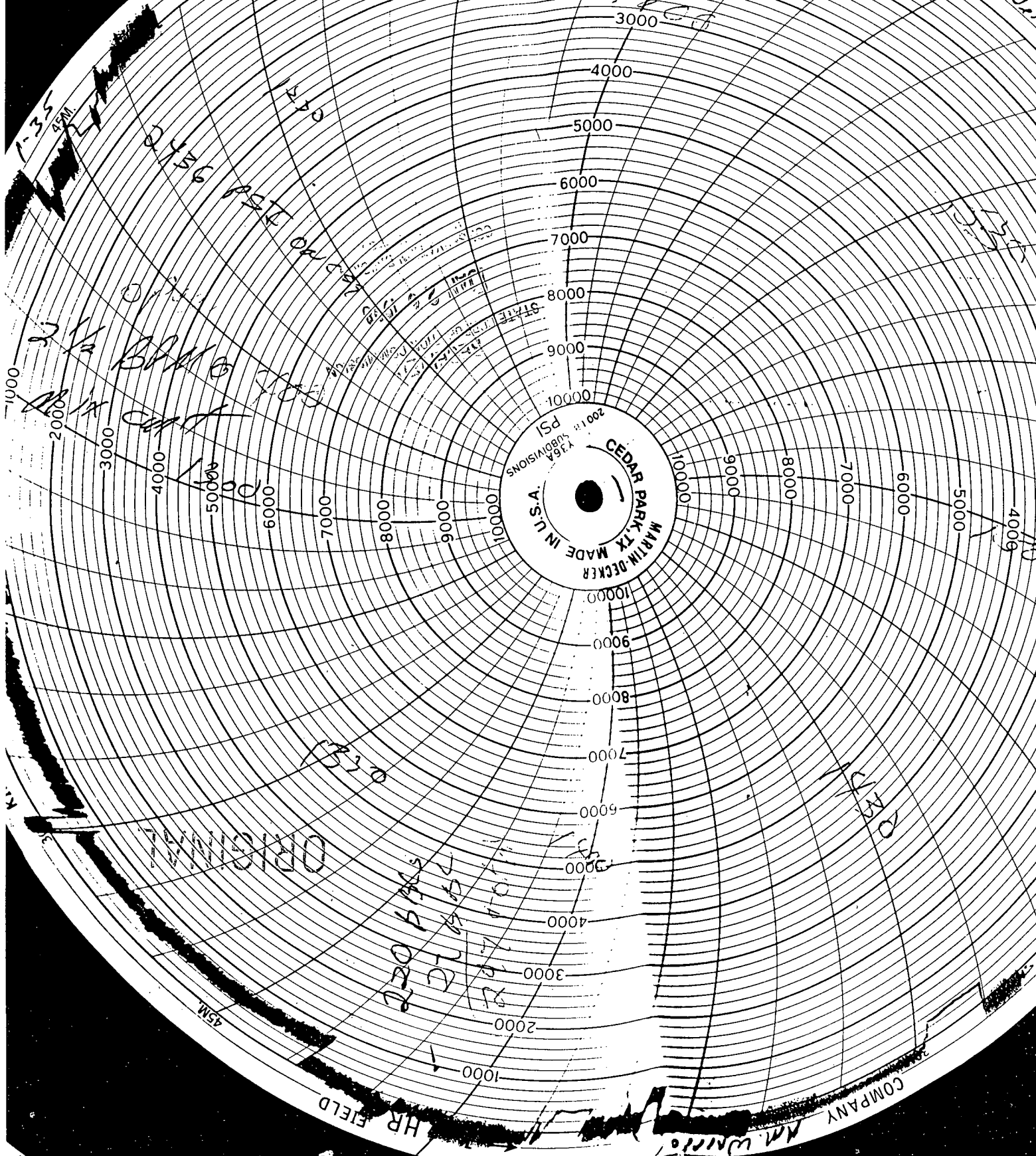


TRUCK NO. 51A

HR. OPERATOR

LEASE 30M. *with h m*

*A. J. W...*  
45M.



HR. FIELD

COMPANY

*A. J. W...*

TRILOBITE TESTING L.L.C.

ORIGINAL  
15-135-24025

OPERATOR : American Warrior, Inc.

DATE 9-24-97

WELL NAME: Witthuhn #1-35

KB 2197.00 ft

TICKET NO: 10422 DST #1

LOCATION : 35-18S-21W Ness Co Ks

GR 0.00 ft

FORMATION: Cherokee Sd

INTERVAL : 4160.00 To 4180.00 ft

TD 4180.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	13754	13754	3227			PF Fr. 0457 to 0543 hr
SI 45	Range(Psi )	4000.0	4000.0	4985.0	0.0	0.0	IS Fr. 0543 to 0627 hr
SF 45	Clock(hrs)	12 hr	12 hr	Elec			SF Fr. 0627 to 0712 hr
FS 60	Depth(ft )	4177.0	4177.0	4162.0	0.0	0.0	FS Fr. 0712 to 0812 hr

	Field	1	2	3	4	
A. Init Hydro	1986.0	2045.0	2043.0	0.0	0.0	T STARTED 0304 hr
B. First Flow	19.0	50.0	19.0	0.0	0.0	T ON BOTM 0455 hr
B1. Final Flow	29.0	66.0	35.0	0.0	0.0	T OPEN 0457 hr
C. In Shut-in	1136.0	1172.0	1183.0	0.0	0.0	T PULLED 0812 hr
D. Init Flow	49.0	81.0	37.0	0.0	0.0	T OUT 1000 hr
E. Final Flow	49.0	84.0	42.0	0.0	0.0	
F. Fl Shut-in	1166.0	1178.0	1179.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1966.0	2001.0	2029.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 60.00 ft of 30.00 ft in DC and 30.00 ft in DP  
 60.00 ft of Gas In Pipe  
 30.00 ft of Clean Oil  
 0.00 ft of 100%oil  
 30.00 ft of Drilling Mud  
 0.00 ft of 100%mud  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 36.00

BLOW DESCRIPTION

Initial Flow:

Final Flow:

Weak steady surface blow

RECEIVED  
STATE CORPORATION COMMISSION

JAN 26 1998

CONSERVATION DIVISION

SAMPLES:

SENT TO:

Test Successful: Y

MUD DATA-----

Mud Type Chemical  
 Weight 9.00 lb/  
 Vis. 47.00 S/I  
 W.L. 11.20 in3  
 F.C. 0.00 in  
 Mud Drop N

Amt. of fill 0.00 ft  
 Btm. H. Temp. 111.00 F  
 Hole Condition Good  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out N  
 Tool Chased N  
 Tester Dan Bangle  
 Co. Rep. Scott Corsair  
 Contr. Discovery  
 Rig # 1  
 Unit #  
 Pump T.

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Witthuhn #1-35

LOCATION : 35-18S-21W Ness Co Ks

TICKET No. 10422 D.S.T. No. 1 DATE 9-24-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 20

TOTAL TOOL ..... 48

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 48

D.C. ABOVE TOOLS.Stands Single 1 Total 30

D.P. ABOVE TOOLS.Stands67 Single 1 Total 4114

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4192

TOTAL DEPTH ..... 4180

TOTAL DRILL PIPE ABOVE K.B. .... 12

REMARKS:

P.O. SUB	4008
C.O. SUB	4132
S.I. TOOL	4138
HMV	4143
JARS	4148
SAFETY JOINT	4151
PACKER	4155
PACKER	4160
DEPTH 4160	
STUBB 1'	4161
ANCHOR Alpine @ 4162	
T.C. DEPTH	
5' Perfs	4166
5' Perfs	4171
4' Perfs	4175
AK-1 @ 4177	
BULLNOSE 5' Bullplug	4180
T.D.	

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : American Warrior Inc.  
 WELL NAME: Witthuhn #1-35  
 LOCATION : 35-18S-21W Ness Co Ks  
 INTERVAL : 4195.00 To 4210.00 ft

DATE 9-24-97  
 KB 2197.00 ft TICKET NO: 10423 DST #2  
 GR 0.00 ft FORMATION: Cherokee Sd  
 TD 4210.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	20	Rec.	13754	13754	3227		PF Fr. 1900 to 1920 hr
SI	30	Range(Psi )	4000.0	4000.0	4985.0	0.0	0.0 IS Fr. 1920 to 1950 hr
SF	30	Clock(hrs)	12 hr	12 hr	Elec		SF Fr. 1950 to 2020 hr
FS	45	Depth(ft )	4197.0	4197.0	4196.0	0.0	0.0 FS Fr. 2020 to 2105 hr

	Field	1	2	3	4	
A. Init Hydro	2087.0	2069.0	2068.0	0.0	0.0	T STARTED 1727 hr
B. First Flow	59.0	67.0	39.0	0.0	0.0	T ON BOTM 1857 hr
B1. Final Flow	127.0	128.0	137.0	0.0	0.0	T OPEN 1900 hr
C. In Shut-in	265.0	268.0	281.0	0.0	0.0	T PULLED 2105 hr
D. Init Flow	177.0	193.0	144.0	0.0	0.0	T OUT 2310 hr
E. Final Flow	226.0	229.0	206.0	0.0	0.0	
F. Fl Shut-in	295.0	301.0	277.0	0.0	0.0	
G. Final Hydro	2066.0	2069.0	2021.0	0.0	0.0	
Inside/Outside	O	O	I			

TOOL DATA-----

Tool Wt.	1000.00 lbs
Wt Set On Packer	30000.00 lbs
Wt Pulled Loose	45000.00 lbs
Initial Str Wt	40000.00 lbs
Unseated Str Wt	41000.00 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	30.00 ft
D.P. Length	4146.00 ft

RECOVERY

Tot Fluid 496.00 ft of 30.00 ft in DC and 466.00 ft in DP  
 2.00 ft of Clean Oil  
 0.00 ft of 100%oil  
 494.00 ft of Mud Cut Water  
 0.00 ft of 20%mud 80%water  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

SALINITY 25000.00 P.P.M. A.P.I. Gravity. 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/
Vis.	45.00 S/I
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop N	

BLOW DESCRIPTION

Initial Flow:  
 Strong blow bottom of bucket  
 5.5 minutes

Final Flow:  
 Weak blow building to 10" fair blow

Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Dan Bangle
Co. Rep.	Scott Corsair
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

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 STATE CORPORATION COMMISSION

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CONSERVATION DIVISION

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONV

WELL NAME: Witthuhn #1-35

LOCATION : 35-18S-21W Ness Co Ks

TICKET No. 10423 D.S.T. No. 2 DATE 9-24-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 15

TOTAL TOOL ..... 43

DRILL COLLAR ANCHOR IN INTERVAL .....

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY ..... 43

D.C. ABOVE TOOLS.Stands Single 1 Total 30

D.P. ABOVE TOOLS.Stands 62 Single Total 4146

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4219

TOTAL DEPTH ..... 4210

TOTAL DRILL PIPE ABOVE K.B. .... 9

REMARKS:

P.O. SUB	4043
C.O. SUB	4167
S.I. TOOL	4173
HMV	4178
JARS	4183
SAFETY JOINT	4186
PACKER	4190
PACKER	4195
DEPTH 4195	
STUBB 1'	4196
ANCHOR	
Alpine @ 4197	
T.C.	
DEPTH	
5' Perfs	4201
4' Perfs	4205
AK-1 @ 4197	
BULLNOSE	
T.D. 5'	4210

ORIGINAL

**SCOTT CORSAIR**

**PETROLEUM GEOLOGIST**

210 Avenue A P.O. Box 6  
Bazine, Ks 67516  
785-398-2270 Mobile 785-731-5060  
FAX 785-398-2586

**GEOLOGICAL REPORT**

**AMERICAN WARRIOR, INC.**

WITTHUHN #1-35  
100' N OF C NW SW NW  
Section 35-18S-21W  
Ness County, Kansas

15-135-24025

RECEIVED  
STATE CORPORATION COMMISSION

JAN 26 1998

OPERATOR: AMERICAN WARRIOR, INC.

WELL: WITTHUHN No. 1-35

API NO.: 15-135-24025

LOCATION: 100' N OF C NW SW NW, SEC. 35-18S-21W

WELLSITE: FARMGROUND

COMMENCED: SEPTEMBER 18, 1997

COMPLETED: SEPTEMBER 25, 1997

ELEVATIONS: 2189' GL ; 2197' KB

TOTAL DEPTH: 4249' (DRILLER); 4249 (LOGGER)

CASING: SURFACE: 8 5/8 @ 206' W/140 SKS  
 PRODUCTION: 5 1/2 @ 4248' W/75 SKS  
 PORT COLLAR @ 2436

SAMPLES: 10 FT. FROM 3550' TO T.D.

LOGS: DUAL INDUCTION, DUAL COMPENSATED  
 POROSITY, BOREHOLE COMPENSATED SONIC,  
 BY LOG-TECH

DRILLSTEM TESTS: TWO (2) BY TRILOBITE TESTING

CONTRACTOR: DISCOVERY DRILLING (RIG 1)

ORIGINAL

REMARKS: Geological supervision: 3550' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1395	+802	1401	+796
Heebner	3645	-1448	3646	-1448
Lansing	3690	-1493	3690	-1493
Base Kansas City	4004	-1807	4002	-1805
Marmaton	4021	-1824	4020	-1823
Pawnee	4089	-1892	4087	-1890
Ft. Scott	4154	-1957	4152	-1955
Cherokee Shale	4171	-1974	4171	-1974
Mississippian Osage	4241	-2044	4242	-2045

# SAMPLE ZONE DESCRIPTION

Logger's Measurements

ORIGINAL

## LANSING-KANSAS CITY 3690 -1493

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

## PAWNEE 4089 -1892

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

## FT. SCOTT 4154 -1957

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

## CHEROKEE 4171 -1974

**4174-4179, Sandstone:** clear, fine grained, fairly sorted, angular, clusters with blue shale matrix, fair show of free oil, fair fluorescence, good cut when broke.

**Drill Stem Test No. 1:** 4160-4180 /45-45-45-60/ Weak blow building to ½" initial flow; Weak surface blow during; No blow during either shut in; Recovered 60 feet of total fluid and 60 feet of gas; 30 feet of clean oil, 30 feet of drilling mud.

IHP 2043  
IFP 19-35  
ISIP 1183  
FFP 37-42  
FSIP 1179  
FHP 2029

**4181-4188, Sandstone:** clear to frosted, poorly sorted, friable clusters, fair fluorescence, good cut when broke, very shaly on log.

**4192-4199, Sandstone:** clear to frosted, poorly sorted, angular to sub-rounded, clusters with good show of free oil, poor fluorescence, good cut when clusters are broke.

**4207-4214, Sandstone:** clear and frosted, medium to coarse grained, loose grains.

**Drill Stem Test No. 2:** 4195-4210 /20-30-30-45/ Strong blow building to the bottom of the bucket in 5 ½ minutes during the initial flow; Weak blow building to 10" blow during final flow; Recovered 496 feet of total fluid; 2 feet of clean oil, 494 feet of mud cut water, 20% mud/80% water.



IHP 2068  
IFP 39-137  
ISIP 281  
FFP 144-206  
FSIP 277  
FHP 2021

ORIGINAL

**MISSISSIPPIAN OSAGE 4241 -2044**

**Chert:** white, weathered tripolitic, good vuggy porosity, good show of free oil, good fluorescence and excellent cut, excellent odor.

FORMATION	AMERICAN WARRIOR, INC. Witthuhn #1-35 100' N, C NW SW NW 35-18S-21W	MACK OIL CO. #A-1 MELLICK OWWO 150'W, SW NW 35-18S-21W	AMERICAN WARRIOR, INC. Price #9 C E/2 NE/4 34-18S-21W
Anhydrite	+802	+796	+ 804
Lansing	-1493	-1496	-1480
Cherokee	-1974	-1975	-1957
Mississippian Osage	-2044	-2075	-2033

**SUMMARY AND RECOMMENDATIONS**

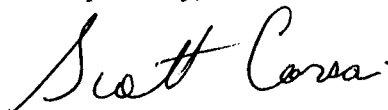
Structural position, Drill stem test results, and Electrical log analysis indicate probable commercial production from the Mississippian Osage and Cherokee. Based upon available data 5 1/2" production casing was set.

Pipe was set 1 foot off bottom @ 4248'. The following zones are recommended for testing.

1. Mississippian Osage: 4244-4249
2. Cherokee Sand: 4174-4178

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

Respectfully,



Scott Corsair  
Petroleum Geologist

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