

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

Operator: License # 4058 ORIGINAL

Name: American Warrior, Inc.

Address P.O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: Koch Oil Company

Operator Contact Person: Kevin Wiles

Phone (316) 275-2963

Contractor: Name: Val Energy

License: 5822

Wellsite Geologist: Scott Corsair

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

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

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

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

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

3-12-97 3-24-97 5-13-97  
Spud Date Date Reached TD Completion Date

API NO. 15- 175216060000

County Seward

C - SE Sec. 34 Twp. 32 Rge. 31 X <sup>E</sup>W

1320 Feet from SN (circle one) Line of Section

1320 Feet from EW (circle one) Line of Section

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

Lease Name Singley Well # 5

Field Name Massoni

Producing Formation Marmation

Elevation: Ground 2775 KB 2785

Total Depth 6090 PBTD 6048

Amount of Surface Pipe Set and Cemented at 1570 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3220 Feet

If Alternate II completion, cement circulated from 3220

feet depth to 2300 w/ 185 sx cmt.

Drilling Fluid Management Plan AH. 1, 3-12-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 4600 ppm Fluid volume 300 bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal, if hauled offsite: \_\_\_\_\_  
RECEIVED  
KANSAS CORPORATION COMMISSION

Operator Name OCT 13 1997

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

Quarter CONSERVATION DIVISION Sec. WICHITA, KS 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, 200 Colorado Derby Building, 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 Kevin Wiles

Title Production Manager Date 10-09-97

Subscribed and sworn to before me this 9th day of October, 19 97.

Notary Public Debra J. Porcell

Date Commission Expires \_\_\_\_\_  
Debra J. Porcell  
NOTARY PUBLIC  
State of Kansas  
MY APPT. EXPIRES 11/19/99

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

Operator Name American Warrior, Inc. Lease Name Singley Well # 5  
 Sec. 34 Twp. 32 Rge. 31  East  West  
 County Seward

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4270	- 1485
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4409	- 1624
List All E.Logs Run:		Judy	4668	- 1883
Mirco		Hodges	4896	- 2111
Arry Induction		Marm.	5068	- 2243
CNCD		Atoka	5504	- 2719
		Chester	5564	- 2779
		St. Gen	5744	- 2959
		St. Louis	5850	- 3065

CASING RECORD <input type="checkbox"/> Now <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	12-1/4"	8-5/8"	24#	1570	Midcon	515	1/4 Flocele 2% CC
Production	7-7/8"	5-1/2"	15.5#	6089	Midcon	330	1/4# Flocele 2% CC

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	3220 2300=	Midcon	185	2% CC 1/4# Flocele

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
		Amount	Kind of Material Used	
4	5152 - 5160	750 gals.	15% Fe Acid	5152 5160

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8"	5200					
Date of First, Resumed Production, SWD or Inj. June 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.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	10		30		110			38.6

Disposition of Gas:	METHOD OF COMPLETION			Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled			5152
	<input type="checkbox"/> Other (Specify) _____			5160



HALLIBURTON ENERGY SERVICES

HAL-1908-P

CHARGE TO: American Waxman  
 ADDRESS:  
 CITY STATE ZIP CODE:

ORIGINAL - DUNCAN COPY TICKET

No. 219051-8

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>High Is</u>	WELL PROJECT NO <u>5</u>	LEASE <u>Sinley</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>KS</u>	CITY OFFICE-ORE LOCATION	DATE <u>3-13-94</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Val Energy</u>	FIG NAME NO	SHIPPED <u>CT Well Site</u>	DELIVERED TO	ORDER NO
3.	WELL TYPE <u>0-1</u>	WELL CATEGORY <u>0-1</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO <u>APY 15175216060000</u>	WELL LOCATION <u>34 / 32 S / 31 W</u>		
4.	REFERRAL LOCATION <u>APY 15175216060000</u>	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOG	ACCT	OF		U/M	U/M			
<u>000-117</u>					<u>MILEAGE</u>					
<u>001-016</u>					<u>Lease Fee</u>					
<u>12A</u>	<u>925.217</u>				<u>8 5/8 Guide Shoe</u>					
<u>24A</u>	<u>915.19502</u>				<u>8 5/8 Insert Float</u>					
<u>24</u>	<u>915.19415</u>				<u>8 5/8 Auto Pickup Assm</u>					
<u>40</u>	<u>806.60059</u>				<u>8 5/8 Centralizers</u>					
<u>030-016</u>					<u>8 5/8 Plug</u>					

ORIGINAL

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STATE COMMISSION  
DEC 0 1 1994

**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 [Signature]  
 DATE SIGNED: 3-13-94 TIME SIGNED: 22:30  
 A.M.  P.M.  
 do not require IPC (Instrument Protection)  Not altered

SUB SURFACE SAFETY VALVE WAS  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK	DEPTH
BEAN SIZE	SPACERS
TYPE OF EQUALIZING SUB	CASING PRESSURE
TUBING SIZE	TUBING PRESSURE
	WELL DEPTH
TREE CONNECTION	TYPE VALVE

SURVEY	ASREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>2510 6</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S) <u>9358 0</u>
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <u>11698 4</u>
<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): [Signature] CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature] HALLIBURTON OPERATOR/ENGINEER: [Signature] SUP: [Signature] HALLIBURTON APPROVAL: [Signature]

FROM: HALLIBURTON SERVICES FAX NO: 3166727508 03-14-97 04:05P P.01



**TICKET CONTINUATION**

**ORIGINAL**

TICKET No. 219051

HALLIBURTON ENERGY SERVICES

CUSTOMER  
**AMERICAN WARRIOR**

WELL  
**5 Sirex**

DATE  
**03-13-97**

PAGE OF  
**2 2**

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-280		1			MIDCON II STD	515	SKS			13.53	6,967.95
509-406	890.50812	1			CALCIUM CHLORIDE BLD 2%	10	SKS			40.75	407.50
507-210	890.50071	1			FLOCELE BLD 1/4#/SK	120	LBS			1.65	198.00
					LOADED ON TRL#5621-50736-SPLIT						
					ORIGINAL						
500-207		1			SERVICE CHARGE	CUBIC FEET		569		1.35	768.15
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	48,410	LOADED MILES	40	TON MILES	968.20

RECEIVED  
STATE CORPORATION COMMISSION  
DEC 07 1997  
CONSERVATION DIVISION  
Topeka, Kansas

No. B 33S136

CONTINUATION TOTAL 129562

FROM: HALLIBURTON SERVICES FAX NO.: 31667227508 03-14-97 04:06P P.02



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*Nico Canyon*  
*12/1/95*

BILL OF MATERIALS NO. **219057**

## WELL DATA

FIELD \_\_\_\_\_ SEC. **31** TWP. **32S** RND. **31W** COUNTY: **Sevier** STATE: **KS**

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD. OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFGD  
 PRESENT PROD. OIL \_\_\_\_\_ BPD WATER \_\_\_\_\_ BPD GAS \_\_\_\_\_ MCFGD  
 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			8.25	0	1541	
LINER						
TUBING						
OPEN HOLE			12 1/4 RD		1575	SHOTS 11
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <b>5-15</b> TIME <b>13:30</b>	DATE <b>5-3</b> TIME <b>19:30</b>	DATE <b>8-13</b> TIME <b>08:30</b>	DATE <b>8-13</b> TIME <b>24:00</b>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>Edmund Baker</i>	<i>Pump</i>	<i>Plat</i>
<i>Mike Volzard</i>	<i>PU</i>	<i>"</i>
<i>Kevin Gandy</i>	<i>Ball Tool</i>	<i>"</i>
<i>C 8500</i>	<i>50001 JAP</i>	<i>"</i>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLYING COLLAR <i>1 1/2" x 1 1/2"</i>	1	<i>1 1/2"</i>
FLOAT SHOE <i>1 1/2" x 1 1/2"</i>	1	<i>1 1/2"</i>
GUIDE SHOE		
CENTRALIZERS	5	
BOTTOM PLUG		
TOP PLUG		
HEAD <i>2 1/2"</i>	1	<i>1 1/2"</i>
PACKER		
OTHER		

### 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 \_\_\_\_\_ IN  
 PERFOR. BALLS TYPE \_\_\_\_\_ QTY \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT *12/1*  
 DESCRIPTION OF JOB *12/1 5:36 " 1 1/2" 2000' C/S*  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TRO:ANN   
 CUSTOMER REPRESENTATIVE **X**

HALLIBURTON OPERATOR \_\_\_\_\_ COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	GRAND	BULK SACKED	ADDITIONS	YIELD CU FT SR	MIXED LBS. GAL
	360	<i>Mix-Coal</i>			<i>2% CC 1/4 H Floccate</i>	2.89	11.4 #
	155	<i>Mix-Coal</i>			<i>2% CC 1/4 H Floccate</i>	1.74	11.5 #

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_

### SUMMARY

PRESLUSH BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BRON BBL-GAL \_\_\_\_\_ PAD BBL-GAL \_\_\_\_\_  
 TREATMENT BBL-GAL \_\_\_\_\_ PUMP BBL-GAL **95**  
 CEMENT SLURRY BBL-GAL **185.3 561/2 F** **39.9 56=225.1**  
 TOTAL VOLUME BBL-GAL \_\_\_\_\_

### VOLUMES

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET **32.84** REASON *12/1*

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DEC 01 1997

CONSERVATION DIVISION

CUSTOMER NO. \_\_\_\_\_  
LEASE NO. \_\_\_\_\_  
WELL NO. \_\_\_\_\_  
JOB TYPE \_\_\_\_\_  
DATE **8-13-97**

**JOB LOG** HAL-2019-C

 CUSTOMER: American Water WELL NO.: 5 LEASE: Sinley JOB TYPE: Center TICKET NO.: 219051

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1330							Called out on location Safety Meeting
	1830							
	2015							Start C56 Cudie Shoe insert Valve & fill up 3 Cent. on Jk 2. 8:15
								break Proc.
	2047	5	0				260	Mixing cont
	2222							Finish mix Shut in
	2303		225	1				Release Plug
	2321	5	0				300	Start Disp
		3	62					<del>6000 cont</del> Returns ✓
	2354		98				500	Plus Down
								Release & Hold
								Shut on C56
								Get up
								Job Comp
								Thank you C. Dick 1/1/97
	2700							2700

ORIGINAL

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STATE COMMISSION

DEC 01 1997

**JOB SUMMARY** 4298-1

REGION North America	NW/COUNTRY mid coast	TICKET # 196350	TICKET DATE 3-25-97
EMP ID / EMP # HA0102 81601	EMPLOYEE NAME Allen F. Worth	BDA / STATE mid coast	COUNTY seward
LOCATION 25535	COMPANY American Warrin-	FBL DEPARTMENT cmt	
TICKET AMOUNT 11,1781	WELL TYPE oil	CUSTOMER REP / PHONE Scott Cascaro	
WELL LOCATION M.E. Kismet	DEPARTMENT cmt	API / UMI # 15-175-2166	
LEASE / WELL # Siegley #5	SEC / TWP / RNG 34-32-31	JOB PURPOSE CODE 035	

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)
Allen F. Worth 81601			
Craig Dodson H1659			
Nick Korbe H3115			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420624 PU.	394						
51374 PCM	353						
4449-5070 BIK	352						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth **6090**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe	1	Comp.
Centralizers		
Bottom Plug		
Top Plug	5-wiper	Halliburton
Head	5/16	Halliburton
Packer		
Other		

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Dlop. 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
Fnc. Red.	Gal/Lb	in
Breaker	Gal/Lb	in
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

DATE TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
3-24-97 1500		3-24-97 1930	3-24-97 10100	3-25-97 0500

**WELL DATA**

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
	19-155	5/8	KB	6089	
Casing					
Liner					
Liner					
Tbg/D.P.					
Tbg/D.P.					
Open Hole			6089	6090	SHOTS/FT.
Perforations					
Perforations					
Perforations					

ORIGINAL

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
3-24-97	2	3-24-97	1	5/2 L.S.
3-24-97	9	3-24-97	4	
<b>TOTAL</b>		<b>TOTAL</b>		Part collar @ 3220 S/A last Super FINE

**HYDRAULIC HORSEPOWER** Avail. \_\_\_\_\_ Used **0 1 1907**

**AVERAGE RATES IN BPM** Overall \_\_\_\_\_

**CEMENT LEFT IN PIPE** Reason **Shoe Joint**

ORDERED \_\_\_\_\_ TREATED \_\_\_\_\_ FEET **42.12**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	95	midcoast	BIK	2% CC 1/4" Floccle	2.66	11.77
	335	midcoast	BIK	1% CC 3/16" CFR-3 7% Helad-344	1.76	13.4
	15	midcoast	BIK	2% CC 1/4" Floccle "Bat Hole mouse hole"		11.4

Circulating Breakdown	Displacement Maximum	Preflush: Gal - <b>BB 20</b>	Type <b>CL-FIX II</b>
Average	Frac Gradient	Load & Bldn: Gal - <b>BB1</b>	Pad: <b>BB1 - Gal</b>
Shut In: Instant	5 Min 15 Min	Treatment Gal - <b>BB1</b>	Disp: <b>BB1 - Gal 194</b>
		Cement Slurr Gal - <b>BB 119.39</b>	
		Total Volume Gal - <b>BB1</b>	

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

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE

**JOB LOG** A230-C

REGION North America	NY/COUNTRY USA	TICKET # 196250	TICKET DATE 2-25-97
EMP ID / EMP # H. 1178	EMPLOYEE NAME H. 1178	BOA / STATE MO	COUNTY COURT
LOCATION COURT	COMPANY H. 1178	P&L DEPARTMENT COURT	CUSTOMER REP / PHONE COURT
TICKET AMOUNT \$ 1117.81	WELL TYPE COURT	ADP / UWI # 15 121 1117	JOB PURPOSE CODE COURT
WELL LOCATION COURT	DEPARTMENT COURT		
LEASE / WELL # Single # 6	SEC / TWP / RNG 34-32-31		

HRS	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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/900)	PUMPS		PRESS. (PSI)		JOB DESCRIPTION / REMARKS
				T	C	Top	Log	
1	1515 1930							called out on location w/ Equip + cont 95SKs mid cont II 2%OCC 1/4" Flocele 235SKs mid cont II 1%OCC, 3/16" CER-3, 3/16" HALed 384
	2100							Discuss Safety, setup + Plan Job Rig laying down Drill collars Start Pipe 14-15.5" 5/8" CS9 Competition Float Equip. Port collar @ 3220 Pipe on Bottom 6090' circ with Rig pump Hook up to cont well
	0110 0120 0145							Start pump 20 BBLs Cla-FIT water Pump 6 BBLs super flush Pump 3 BBLs water screen
		5	30					Start mix 110 SKs mid cont II w/ 2%OCC 1/4" Flocele
		5	6					Start mix 235SKs mid cont II w/ 1%OCC 3/16" CER-3 3/16" HALed 384
		5	3					0 Firm mix cont wash out pump + line Release Plug 5' wiper
		7	52			300		Start Disp CS9 cap "144 BBLs" PST slowly climbs
		7	74			300		Slow Rate down Cont 6 BBLs 1700' Plug Lands 0 Release Float Holds
	0225	7 1/2				0		Wash up Equip. Rack up Equip. "Finish tickets" Job complete
		3	144			1000		
	0400							

ORIGINAL

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 DIVISION OF CONSTRUCTION  
 APR 01 1997  
 WORKING PAPERS

thanks Allen, Craig, Nick.





**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

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

CUSTOMER COPY

TICKET

No.

219207 - X

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>11/11/97</i>	WELL/PROJECT NO. <i>#5</i>	LEASE <i>STANLEY</i>	COUNTY/PARISH <i>SEWARD</i>	STATE <i>KS.</i>	CITY/OFFSHORE LOCATION	DATE <i>5-12-97</i>	OWNER <i>SMITH</i>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <i>CO. TOOLS</i>	RIG NAME/NO.	SHIPPED <i>CR.</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>CRAND 34-325-3u</i>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

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.	40	miles	3.20	128.00
000-119					CREW MILEAGE	40	miles	1.95	78.00
009-019					PUMP CHANGE	6	HRS 3220 FT.	1804.00	1804.00
116-434					BAKER FOOT COLLAR OPEN TOOL		PER JOB	350.00	350.00
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           CONSERVATION DIVISION            WITH A. KEMAS         </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           RECEIVED            DEC 01 1997            STATE OILFIELD DIVISION         </div> <div style="font-size: 2em; opacity: 0.5;">COPY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           ORIGINAL         </div> </div>									

**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		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <b>2360.00</b>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) <b>3532.91</b>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
DATE SIGNED <i>5-12-97</i>	TIME SIGNED <i>1700</i>	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE			<b>5892.91</b>
<input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		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) <i>Kevin Wiles</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X [Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <i>Howard P. G... 08500</i>	EMP #	HALLIBURTON APPROVAL <i>[Signature]</i>
---	--	--	-------	--

REGION North America	NWA/COUNTRY	BDA / STATE	COUNTY
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T. C.	PRESS. (psi)		JOB DESCRIPTION / REMARKS
					Tbg	Csg	
1	0600						PHLEED OUT
	0900						ON LOCMT 50W
	0930						TRUCKS ON LOCMT 50W
							ORIGINAL
							BIKER PORT COLLAR AT 3220'
							RUN OPERATOR TOOL ON 278 TBL.
							SEARCHING FOR PORT COLLAR
							OPEN PORT COLLAR
	1447	2	5	✓	250		INJECTION RATE 20PM AT 650 PSI
	1450	2	0		650		START MIX COMBENT
							(135 SLS MEDLOW TL AT 11.1 PPG)
							(50 SLS MEDLOW TL AT 12.7 PPG)
	1524		123		60		FINISH MIX COMBENT
	1524		0		80		START DISP
	1530		12		150		START DOWN - 1/2 BBL COMB. IN TUBING
					400		START PORT COLLAR
	1551				750		PSI TEST - 750 - HOLD
							RUN 1 JOBS
	1600		52		800		REVERSE OUT - 10 BBL COMBENT
							PULL TUBING
							UNSH UP - POWER UP
							JOB COMPLETE
	1130						THANKS BOB

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CONSERVATION DIVISION  
Wichita, Kansas

**JOB SUMMARY** 4239-1

TICKET # 219207 TICKET DATE 5-12-97

REGION <b>North America</b>	NW/COUNTRY <b>MID CONT. USA</b>	BDA / STATE <b>KS</b>	COUNTY <b>SEWARD</b>
MBUID / EMP # <u>08500</u>	EMPLOYEE NAME <u>KEVIN GORDLEY</u>	PSL DEPARTMENT <u>CEMENT</u>	
LOCATION <u>PRATT, KS</u>	COMPANY <u>AMERICAN WORKER</u>	CUSTOMER REP / PHONE <u>K. WILES</u>	
TICKET AMOUNT	WELL TYPE <u>01</u>	API / UWI #	
WELL LOCATION <u>K. ROSSMET, KS</u>	DEPARTMENT <u>CEMENT</u>	JOB PURPOSE CODE <u>095</u>	
LEASE / WELL # <u>5 STINCLEY</u>	SEC / TWP / RNG <u>34-32S-31W</u>		

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
<u>A. GORDLEY</u> <u>08500</u>		<u>C. MESSICK</u> <u>HS314</u>		<u>B. JOHNSON</u> <u>6916</u>			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<u>94040</u>	<u>240</u>	<u>51936</u>	<u>240</u>	<u>4142-5621</u>	<u>240</u>		

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
	<u>5-12</u>	<u>5-12</u>	<u>5-12</u>	<u>5-12</u>
TIME	<u>0600</u>	<u>0900</u>	<u>1200</u>	<u>1730</u>

TYPE AND SIZE	QTY	MAKE
Float Collar <u>2 1/2 IN</u>	<u>1</u>	
Float Shoe <u>PART COLLAR</u>		
Guide Shoe <u>OVER TOOL</u>		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing			<u>5 1/2</u>			
Liner						
Liner						
Tbg/D.P.			<u>2 3/8</u>	<u>0</u>	<u>3220</u>	<u>OPEN</u>
Tbg/D.P.						<u>TOOL</u>
Open Hole						<u>SHOTS/FT.</u>
Perforations			<u>PART COLLAR</u>	<u>0</u>	<u>3220</u>	
Perforations						
Perforations						

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		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

**HYDRAULIC HORSEPOWER**  
 Avail. \_\_\_\_\_ Used \_\_\_\_\_  
**AVERAGE RATES IN BPM**  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
**CEMENT LEFT IN PIPE**  
 Reason \_\_\_\_\_

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<u>135</u>	<u>MIDCON B</u>	<u>B</u>	<u>2% CC, 1/4" 15K FLOCCEL</u>	<u>3.22</u>	<u>11.1</u>
	<u>50</u>	<u>MIDCON B</u>	<u>B</u>	<u>2% CC, 1/4" 15K FLOCCEL</u>	<u>2.60</u>	<u>12.7</u>

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal - BBI \_\_\_\_\_ Type \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Disp: BBI - Gal 2  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - BBI 106 + 18  
 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 \_\_\_\_\_

ZIBURTON

TICKET CONTINUATION CUSTOMER COPY

TICKET No. 219207

ION ENERGY SERVICES

CUSTOMER <b>AMERICAN WARRIOR</b>	WELL <b>STINGLEY 5</b>	DATE <b>5-12-97</b>	PAGE <b>2</b>	OF <b>2</b>
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INVOICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT		
		LOC	ACCT	DF									
504-280		1			MIDCON II STANDARD CEMENT	185		SK		13 53	2503	05	
509-406	890.50812	1			CALCIUM CHLORIDE BLENDED 2%	4		SK		46 90	187	60	
507-210	890.50071	1			FLOCELE BLENDED 1/4#	46		LB		1 90	87	98	
LOADED ON TRUCK #4142 / 5828 FRONT													
ORIGINAL													
500-200		/			SERVICE CHARGE					CUBIC FEET	206	312.30	
500-306		/			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES			TON MILES	369.12	435.56	
											CONTINUATION TOTAL		3532.91

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