

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

Operator: License # 4058

Name: American Warrior, Inc.

Address P. O. Box 399

ORIGINAL

City/State/Zip Garden City, KS 67846

Purchaser: _____

Operator Contact Person: Scott Corsair

Phone (913) 398-2270

Contractor: Name: Discovery Drilling, Inc.

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 Workovers:

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. _____

10-3-95 10-10-95 10-19-95
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23909 0000

County Ness

W/2 W/2-SW Sec. 34 Twp. 18S Rge. 21 X W

1320 Feet from S/N (circle one) Line of Section

330 Feet from E/W (circle one) Line of Section

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

Lease Name Witthuhn Well # 1

Field Name Wildcat

Producing Formation _____

Elevation: Ground 2190 KB 2198

Total Depth 4302 PBTB 2464'

Amount of Surface Pipe Set and Cemented at 483.31 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan AH-1, 2-27-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 2500 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.

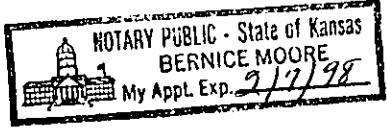
Signature Scott Corsair

Title Geologist Date 1-27-1996

Subscribed and sworn to before me this 27th day of January, 1996.

Notary Public Bernice Moore

Date Commission Expires 2/7/98



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 STATE COMMISSION Other
1-13-98
JAN 9 2 10 PM

Form ACO-1 (7-91)
CONSERVATION DIVISION

Operator Name American Warrior, Inc. Lease Name Witthuhn Well # 1
 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 Logs Run: Dual Induction, Compensated
 Density Dual Spaced Neutron

Name	Formation (Top), Depth and Datums		Sample
	Top	Datum	
Anhydrite	1390	+800	
Chase	2254	-64	
Heebner	3634	-1444	
Lansing	3679	-1489	
Base Kansas City	3995	-1805	
Pawnee	4092	-1902	
Ft. Scott	4160	-1970	
Cherokee Shale	4176	-1986	
Mississippian Osage	4282	-2092	

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	23	483.31	60/40Poz	250	2%Gel&3%CC
Production St	4 1/2	7 7/8	11.6	2499	EA/2	125	
					Midcon II	200	

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	2270-2276		
4	2327-2333			

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		NA			
Date of First, Resumed Production, SWD or Inj. <u>SIGW NA</u>			Producing Method <input type="checkbox"/> Flowing <input 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

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 2270-2276
2327-2333

CUSTOMER: Mid Continent Resources WELL NO: #1 LEASE: Withhachn JOB TYPE: Surface TICKET NO: 837-550

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	23:00							Called out
	24:15							on loc. set up truck safety meeting
	0315							Rig Drilling
	0410							Start 8 1/2" Casing 700 hole
								Casing on Bottom Casing with Rig pump
	0430		578					Run 280 lbs 40/60 pps
								Finished mixing B. loc. Plug
	0440		394					Dis place 29.4" 11.0
	0445							Plug down
								Casing 35' Casing to pits
								Wash and Red up 1000
	0500							Job Complete

Handwritten signature/initials



TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 829850

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Mid CoXntinent Resources	WELL Witthuhn #1	DATE 10-4-95	PAGE OF 2 12
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PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-136		1			40/60 Pozmix Standard	250				7.16	1,790.00
506-121		1			4sk Halliburton Gel@2%						n/c
509-406		1			Calcium Chloride	6				36.75	220.50
ORIGINAL											
500-207		1			SERVICE CHARGE					1.35	353.70
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 21,055	LOADED MILES 50	TON MILES 526.375		95	500.06

RECEIVED
 10/4/95
 NPT

No. B 285455

CONTINUATION TOTAL

2,864.26



HALLIBURTON ENERGY SERVICES

HAL-1906-N

SERVICE LOCATIONS

1. *Hayes Co 25523*

WELL/PROJECT NO.

#1

LEASE

W. H. H. H.

COUNTY/PARISH

Noss

STATE

Ks.

CITY/OFFSHORE LOCATION

Location

DATE

10-4-95

OWNER

Some

TICKET TYPE: NITROGEN

SERVICE JOB? YES

SALES NO

CONTRACTOR

RIG NAME/NO.

Discovery Drilling

SHIPPED VIA

CTT

DELIVERED TO

Location

ORDER NO.

WELL TYPE

01

WELL CATEGORY

01

JOB PURPOSE

010

WELL PERMIT NO.

WELL LOCATION

Sec 31 - 18's - 21w

REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>001-017</i>		<i>1</i>			<i>MILEAGE #51797 (RTM)</i>	<i>100</i>	<i>mi</i>	<i>1</i>	<i>unit</i>	<i>2.95</i>	<i>285.00</i>
<i>001-016</i>		<i>1</i>			<i>Pump Service</i>	<i>483</i>	<i>Fr</i>	<i>1</i>	<i>unit</i>		<i>630.00</i>
<i>030-503</i>		<i>1</i>			<i>LA-11 Top Plug</i>	<i>1</i>	<i>eq</i>	<i>8.78</i>	<i>in</i>	<i>90.00</i>	<i>90.00</i>

ORIGINAL

GENERAL 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

Thomas Abu

DATE SIGNED: _____ TIME SIGNED: _____

A.M. P.M.

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

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: AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	<i>1,005.00</i>
FROM CONTINUATION PAGE(S)	<i>2,864.26</i>
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	<i>3,869.26</i>

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) *Thomas Abu* CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) *Thomas Abu*

HALLIBURTON OPERATOR/ENGINEER *Roger B. LeBlond* EMP # *180719*

HALLIBURTON APPROVAL _____

Midcontinent Resources
ADDRESS
Box 399
CITY, STATE, ZIP CODE
Garden City, Ks.

REC'D IN COMMISSION
No. 839850-0
PAGE 1 OF 2
JAN 1 1998
ORDER NO.

WELL DATA

FIELD _____ SEC. 34 TWP. 18S RNG. 21W COUNTY Mo. STATE Mo.

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	<u>U</u>	<u>25</u>	<u>8 5/8</u>	<u>100</u>	<u>450</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-3-75</u> TIME <u>2200</u>	DATE <u>10-4-75</u> TIME <u>2415</u>	DATE <u>10-4-75</u> TIME _____	DATE <u>10-4-75</u> TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. Reynolds B-119</u>	<u>38472</u> <u>Perfor</u>	<u>Hays, Mo.</u>
<u>F. Reynolds 47558</u>	<u>51797</u> <u>Perfor</u>	<u>"</u>
<u>D. Bostad B-151A</u>	<u>3896</u> <u>100 / 100</u>	<u>"</u>

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LAH 8 5/8"</u>	<u>1</u>	<u>Halsco</u>
HEAD		
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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Coils

DESCRIPTION OF JOB Coils 8 5/8" Suction Casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Thomas Ah

HALLIBURTON OPERATOR Roger A. Lybicki COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>40/60 Bc</u>		<u>B</u>	<u>2% Cd, 3% cc</u>	<u>1.3</u>	<u>13.61</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM RECEIVED LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL (BBL.) GAL. 29.4

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY (BBL.) GAL. 57.3

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____

CEMENT LEFT IN PIPE _____

FEET 20' REASON Required

REMARKS

See Chart + Job Log

Thank You

Roger

CUSTOMER



HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-N

AMERICAN WARRIOR
ADDRESS

No.

840080 - X

CITY, STATE, ZIP CODE
Garden City - KS

PAGE 1 OF 2

SERVICE LOCATIONS 1. Hays KS 25525	WELL/PROJECT NO. #1	LEASE W. H. Huhun	COUNTY/PARISH Ness	STATE KS	CITY/OFFSHORE LOCATION	DATE 10-11-95	OWNER S.M.C.
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Discovery Drils	RIG NAME/NO. #1 Discovery Drils	SHIPPED VIA CT	DELIVERED TO Well site	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO. API-LS13523909000	WELL LOCATION 31-1821		
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 51374 Rcm	100	mi	100		2.85	285.00
001-016		1			Pump Service	4302	ft			1670.00	1670.00
018-016	806.60004	1			Cent S-9	5EA	4 1/2 in			45.00	225.00
018-315		1			MUA Flush	500	gal			0.65	325.00
322	806.71485	1			Cent Basket	2 EA	4 1/2 in			97.00	194.00
594	801.03734	1			Latch down Baffle	1 EA	4 1/2 in			100.00	100.00
80	815.128	1			Form. PKR. Shoe	1 EA	4 1/2 in			2968.00	2968.00
82	855.02543	1			Form. PKR shoe fillup	1 EA				60.00	60.00
091-360		1			Compupac	1 EA				720.00	N/C

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.

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 AGREE UN-DECIDED DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

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

X *Scott Cooper*

DATE SIGNED: 10-10-95 TIME SIGNED: 2130

A.M. P.M.

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

JAN 13 1996

PAGE TOTAL

FROM CONTINUATION PAGE(S)

7061.58

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) <i>Scott Cooper</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>Scott Cooper</i>	HALLIBURTON OPERATOR/ENGINEER <i>Allen F. Wirth</i>	EMP # 86101	HALLIBURTON APPROVAL
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WELL DATA

FIELD _____ SEC 31 TWP. 13 RNG. 21 COUNTY ... STATE ...

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 4332

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>116</u>	<u>4 1/2</u>	<u>865</u>	<u>2479</u>	
LINER						
TUBING						
OPEN HOLE				<u>2479</u>	<u>4332</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FEEDER SHOE <u>PKR 4 1/2</u>	<u>160</u>	<u>H...</u>
GUIDE SHOE		
CENTRALIZERS <u>3 1/2 4 1/2</u>	<u>330</u>	<u>H...</u>
BOTTOM PLUG		
TOP PLUG <u>...</u>	<u>100</u>	<u>H...</u>
HEAD		
PACKER		
OTHER <u>...</u>	<u>...</u>	<u>...</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>...</u> TIME <u>...</u>	DATE <u>...</u> TIME <u>...</u>	DATE <u>10-11-73</u> TIME <u>...</u>	DATE <u>10-11-73</u> TIME <u>...</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>...</u>	<u>...</u>	<u>...</u>
<u>...</u>	<u>...</u>	<u>...</u>
<u>...</u>	<u>...</u>	<u>...</u>
<u>...</u>	<u>...</u>	<u>...</u>

ORIGINAL

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 500 gal mud flush

DEPARTMENT ...

DESCRIPTION OF JOB 4 1/2 inch string

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

CUSTOMER REPRESENTATIVE X ...

HALLIBURTON OPERATOR ...

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>200</u>	<u>M-D 1000</u>	<u>P-1</u>	<u>5</u>	<u>1/4" H. 11.0 2%</u>	<u>3.20</u>	<u>11.1</u>
	<u>125</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>...</u>	<u>1.36</u>	<u>13.5</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ STATE ... LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 36.22

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL.-GAL. 114 30.7 = 144.2

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

FEET 3241 REASON ...

REMARKS

CUSTOMER



JOB LOG HAL-2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE	TICKET NO.
----------	----------	-------	----------	------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	11:00							called out
	11:05							arrived at 2:00 pm
								checked out
								1st 7' of 2" casing - 2 1/2" hole
								2nd 7' of 2" casing - 2 1/2" hole
								3rd 7' of 2" casing - 2 1/2" hole
								4th 7' of 2" casing - 2 1/2" hole
								5th 7' of 2" casing - 2 1/2" hole
								6th 7' of 2" casing - 2 1/2" hole
								7th 7' of 2" casing - 2 1/2" hole
								8th 7' of 2" casing - 2 1/2" hole
								9th 7' of 2" casing - 2 1/2" hole
								10th 7' of 2" casing - 2 1/2" hole
								11th 7' of 2" casing - 2 1/2" hole
								12th 7' of 2" casing - 2 1/2" hole
								13th 7' of 2" casing - 2 1/2" hole
								14th 7' of 2" casing - 2 1/2" hole
								15th 7' of 2" casing - 2 1/2" hole
								16th 7' of 2" casing - 2 1/2" hole
								17th 7' of 2" casing - 2 1/2" hole
								18th 7' of 2" casing - 2 1/2" hole
								19th 7' of 2" casing - 2 1/2" hole
								20th 7' of 2" casing - 2 1/2" hole
								21st 7' of 2" casing - 2 1/2" hole
								22nd 7' of 2" casing - 2 1/2" hole
								23rd 7' of 2" casing - 2 1/2" hole
								24th 7' of 2" casing - 2 1/2" hole
								25th 7' of 2" casing - 2 1/2" hole
								26th 7' of 2" casing - 2 1/2" hole
								27th 7' of 2" casing - 2 1/2" hole
								28th 7' of 2" casing - 2 1/2" hole
								29th 7' of 2" casing - 2 1/2" hole
								30th 7' of 2" casing - 2 1/2" hole
								31st 7' of 2" casing - 2 1/2" hole
								32nd 7' of 2" casing - 2 1/2" hole
								33rd 7' of 2" casing - 2 1/2" hole
								34th 7' of 2" casing - 2 1/2" hole
								35th 7' of 2" casing - 2 1/2" hole
								36th 7' of 2" casing - 2 1/2" hole
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								60th 7' of 2" casing - 2 1/2" hole
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								63rd 7' of 2" casing - 2 1/2" hole
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								73rd 7' of 2" casing - 2 1/2" hole
								74th 7' of 2" casing - 2 1/2" hole
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								89th 7' of 2" casing - 2 1/2" hole
								90th 7' of 2" casing - 2 1/2" hole
								91st 7' of 2" casing - 2 1/2" hole
								92nd 7' of 2" casing - 2 1/2" hole
								93rd 7' of 2" casing - 2 1/2" hole
								94th 7' of 2" casing - 2 1/2" hole
								95th 7' of 2" casing - 2 1/2" hole
								96th 7' of 2" casing - 2 1/2" hole
								97th 7' of 2" casing - 2 1/2" hole
								98th 7' of 2" casing - 2 1/2" hole
								99th 7' of 2" casing - 2 1/2" hole
								100th 7' of 2" casing - 2 1/2" hole

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CONSERVATION DIVISION

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TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 840080

HALLIBURTON ENERGY SERVICES

FORM 1911 R-10

CUSTOMER Mid Continent Resources	WELL Witchuhm #1	DATE 10-10-95	PAGE OF 2 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			
504280		1			Mid Con-2	200			11.72	2,344.00
504-308		1			Standard Cement	125			8.86	1,107.50
509-969		1			Salt	1000	1b		15	150.00
504280		1			Mid Con-2	200			11.72	2,344.00
507-778		1			Halad-344	59	1b		27.15	1,601.85
508-127		1			Cal Seal	6			25.90	155.40
507-210		1			Flocabe	81	1b		1.65	133.65
509-406		1			Calcium Chloride	4			36.75	147.00
507-153		1			RCFR-3	29			4.85	140.65
5										
					ORIGINAL					
500-207		1			SERVICE CHARGE					
						CUBIC FEET				
							361		1.35	487.35
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		
						33,439	50	835.975	95	794.18

CONTINUATION TOTAL 7,061.58

No. B 285465

ORIGINAL

SCOTT CORSAIR

PETROLEUM GEOLOGIST

210 Avenue A P.O. Box 6
Bazine, Ks 67516
913-398-2270 Mobile 913-731-5060
FAX 913-398-2586

GEOLOGICAL REPORT

AMERICAN WARRIOR, INC.

WITTHUHN #1
C W/2 W/2 SW/4
Section 34-18S-21W
Ness County, Kansas

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CONSERVATION DIVISION
L. J. HARRIS

ORIGINAL

OPERATOR: AMERICAN WARRIOR, INC.
WELL: WITTHUHN No. 1
API NO.: 15-135-23909
LOCATION: C W/2 W/2 SW/4, SEC. 34-18S-21W
WELLSITE: PASTURE
COMMENCED: OCTOBER 3, 1995
COMPLETED: OCTOBER 11, 1995
ELEVATIONS: 2182' GL ; 2190' KB
TOTAL DEPTH: 4302' (DRILLER); 4300 (LOGGER)
CASING: SURFACE: 8 5/8 @ 483/250 SKS.
PRODUCTION: 5 1/2 @ 2499' W/325 SKS
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. Ground level elevation corrected from 2190 to 2182.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1390	+800		
Chase	2254	-64		
Heebner	3634	-1444	3637	-1447
Lansing	3679	-1489	3683	-1493
Base Kansas City	3995	-1805	3989	-1799
Pawnee	4092	-1902	4089	-1899
Ft. Scott	4160	-1970	4162	-1972
Cherokee Shale	4176	-1986	4178	-1988
Mississippian Osage	4282	-2092	4282	-2092

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CONSERVATION DIVISION
Wichita, Kansas

SAMPLE ZONE DESCRIPTION

Logger's Measurements

LANSING-KANSAS CITY 3679 -1489

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

PAWNEE 4092 -1902

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

FT. SCOTT 4160 -1970

Limestone: gray to tan, fair intergranular porosity, few pieces with slight show of free oil, fair fluorescence and good cut.

CHEROKEE 4176 -1986

4229-4233, Sandstone: clear to frosted, poorly sorted, angular and well rounded, loose grains, no visible show.

Drill Stem Test No. 1: 4152-4235 /30-30-30-30/ Weak ½ inch blow building to 5 ½ inches during initial flow; Very weak surface blow building to 1 inch during the final flow; Recovered 570 feet of total fluid; 570 feet of salt water with a scum of oil in the tool.

IHP 2055
IFP 79-83
ISIP 307
FFP 95-95
FSIP 225
FHP 2027

4262-4268, Conglomerate: a mix of dolomite and chert with a trace of sandstone, no visible show.

Drill Stem Test No. 2: Straddle Test, 4262-4272 /30-30-30-30/ ½ inch blow building to the bottom of the bucket 8 minutes during initial flow; Surface blow during initial shut in; ¾ inch blow building to bottom of the bucket in 10 minutes during the final flow; Weak surface blow during final shut in; Recovered 610 feet of gassy salt water.

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IHP 2151
IFP 59-127
ISIP 1195
FFP 188-244
FSIP 1207
FHP 2094

MISSISSIPPIAN OSAGE 4282 -2092

Chert: white, angular, fresh, no visible porosity, no visible show.

FORMATION	AMERICAN WARRIOR, INC. Witthuhn #1 C W/2 W/2 Sw/4 34-18S-21W	BIRMINGHAM- BARTLETT #4 Price 150' E W/2 E/2 34-18S-21W	PICKRELL DRILLING CO #1 Price 'B' C SE NW 34-18S-21W
Anhydrite	+ 800	+796	+ 792
Lansing	-1489	-1493	-1497
Cherokee	-1986	-1975	-1984
Mississippian Osage	-2092	-2056	-2060

SUMMARY AND RECOMMENDATIONS

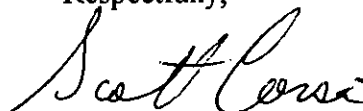
Structural position and Electrical log analysis indicate probable commercial production from the Chase Group. Based upon available data 4 1/2" production casing was set.

Pipe was set 1801 feet off bottom @ 2499'. The following zones are recommended for testing.

1. Krider: 2270-2276
2. Winfield: 2327-2333

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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OPERATION DIVISION
Topeka, Kansas

ORIGINAL

TRILOBITE TESTING L.L.C.

15-135-23909

OPERATOR : American Warrior Inc
WELL NAME: Witthuhn #1
LOCATION : 34-18S-21W, Ness Cty KS
INTERVAL : 4152.00 To 4235.00 ft

DATE 10-09-95

KB 2198.00 ft TICKET NO: 8515 DST #1
GR 2190.00 ft FORMATION: Ft Scott/Cherokee
TD 4235.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	24174	24174	10994		PF Fr. 1513 to 1543 hr
SI	30	Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0 IS Fr. 1543 to 1613 hr
SF	30	Clock(hrs)	12 hr	12 hr	12 hr		SF Fr. 1613 to 1643 hr
FS	30	Depth(ft)	4219.0	4219.0	4230.0	0.0	0.0 FS Fr. 1643 to 1613 hr

	Field	1	2	3	4	
A. Init Hydro	2058.0	2055.0	0.0	0.0	0.0	T STARTED 1345 hr
B. First Flow	74.0	79.0	0.0	0.0	0.0	T ON BOTM 1511 hr
Bl. Final Flow	74.0	83.0	0.0	0.0	0.0	T OPEN 1513 hr
C. In Shut-in	308.0	307.0	0.0	0.0	0.0	T PULLED 1713 hr
D. Init Flow	97.0	95.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	97.0	95.0	0.0	0.0	0.0	
F. Fl Shut-in	225.0	225.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2027.0	2027.0	0.0	0.0	0.0	Tool Wt. 1800.00 lb
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lb

RECOVERY

Tot Fluid 570.00 ft of 0.00 ft in DC and 570.00 ft in DP
570.00 ft of Salt water w/ scum of oil in tool

Wt Pulled Loose	50000.00 lb
Initial Str Wt	48000.00 lb
Unseated Str Wt	48000.00 lb
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	4161.00 ft

RW .16 @ 80 F

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Weak .5" blow building to 5.5"

Final Blow -
Very weak surface blow building to 1"

MUD DATA-----	
Mud Type	Chemi.
Weight	9.40 lb
Vis.	52.00 S/
W.L.	0.00 in
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	100.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Paul Simpson
Co. Rep.	Scott Corsair
Contr.	Discovery
Rig #	1
Unit #	
Pump T.	

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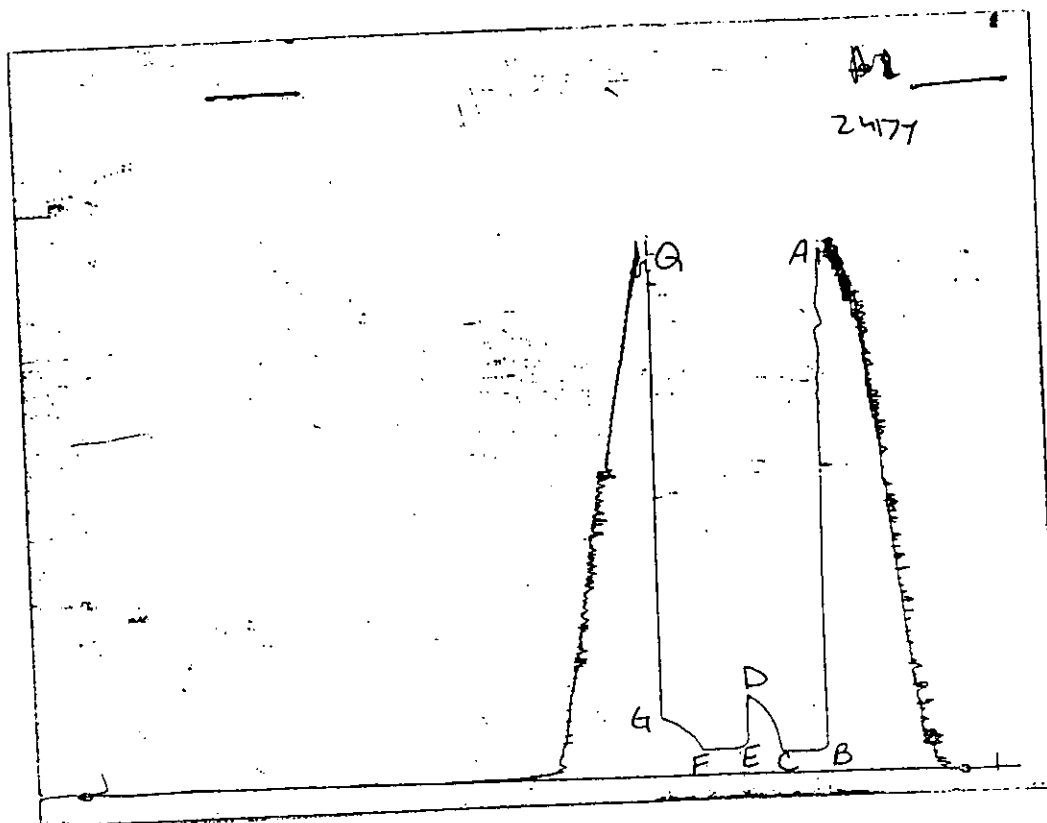
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CONSERVATION DIVISION
WILLIAM, KANSAS

SAMPLES:
SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : American Warrior Inc
 WELL NAME: Witthuhn #1
 LOCATION : 34-18S-21W, Ness Cty KS
 INTERVAL : 4262.00 To 4272.00 ft

DATE 10-10-95

KB 2198.00 ft TICKET NO: 8516 DST #2
 GR 2190.00 ft FORMATION: Conglomerate
 TD 4301.00 ft TEST TYPE: CONV.-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	24174	24174	10994			PF Fr. 1302 to 1322 hr
SI 30 Range(Psi)	3050.0	3050.0	4250.0	0.0	0.0	IS Fr. 1322 to 1352 hr
SF 30 Clock(hrs)	12 hr	12 hr	12 hr			SF Fr. 1352 to 1412 hr
FS 30 Depth(ft)	4265.0	4265.0	4296.0	0.0	0.0	FS Fr. 1412 to 1457 hr

	Field	1	2	3	4	
A. Init Hydro	2159.0	2151.0	0.0	0.0	0.0	T STARTED 1200 hr
B. First Flow	59.0	59.0	0.0	0.0	0.0	T ON BOTM 1302 hr
Bl. Final Flow	127.0	124.0	0.0	0.0	0.0	T OPEN 1457 hr
C. In Shut-in	1205.0	1195.0	0.0	0.0	0.0	T PULLED 1618 hr
D. Init Flow	194.0	188.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	247.0	244.0	0.0	0.0	0.0	
F. Fl Shut-in	1213.0	1207.0	0.0	0.0	0.0	
G. Final Hydro	2104.0	2094.0	0.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
Inside/Outside	I	I	O			Tool Wt. 2500.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 48000.00 lbs
						Unseated Str Wt 48000.00 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 4224.00 ft

RECOVERY

Tot Fluid 610.00 ft of 30.00 ft in DC and 580.00 ft in DP
 610.00 ft of Gassy salt water

RW .23 @ 86 F

SALINITY 24000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
 .5" blow building to bottom of bucket
 in 8 min

Initial Shutin -
 Surface blow

Final Blow -
 .75" blow building to bottom of bucket
 in 10 min

Final Shutin -
 Weak surface blow

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cs
Vis.	56.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00

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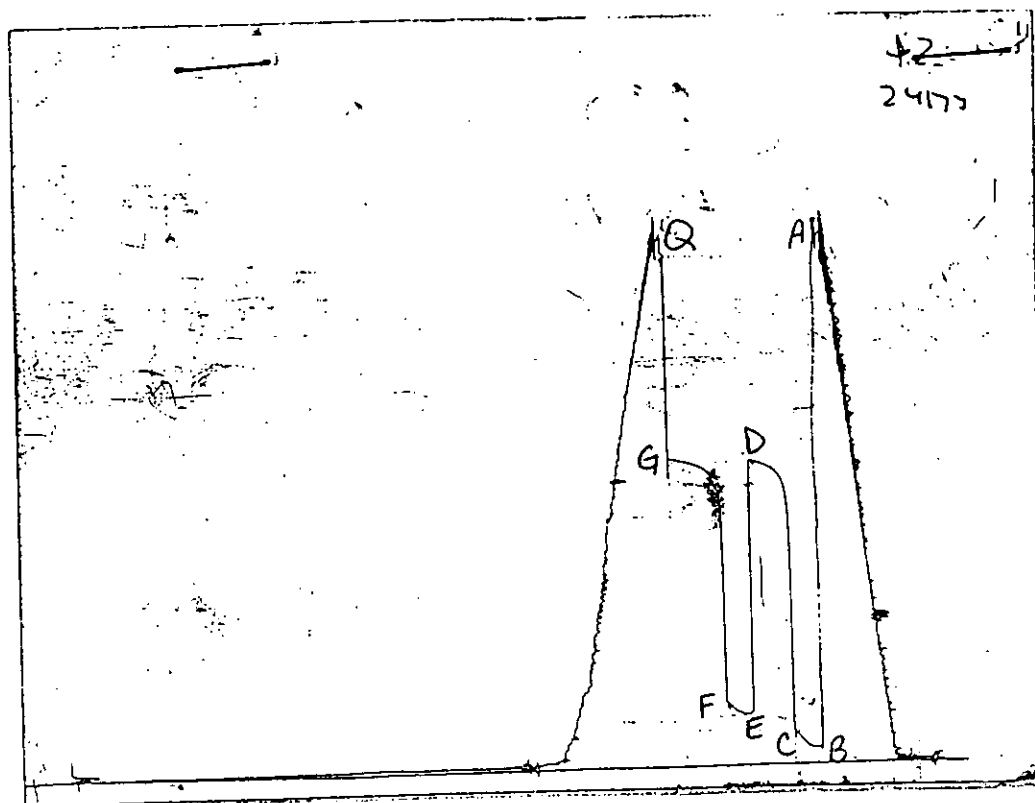
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CONSERVATION DIVISION

Cushion Type
 Reversed Out
 Tool Chased
 Tester Paul Simpson
 Co. Rep. Scott Corsair
 Contr. Discovery
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart