

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

API NO. 15- 119-20,975-00 ORIGINAL

County Meade

SW - SW Sec. 10 Twp. 32 Rge. 28 XX ^E _W

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

660 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 Ediger Well # 1

Field Name Wildcat

Producing Formation Dry Hole

Elevation: Ground 2492' KB 2497'

Total Depth 5604.0' PBSD

Amount of Surface Pipe Set and Cemented at 1660.73 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set NA Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Per A. 3-20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 46,000 ppm Fluid volume 1340 bbls

Dewatering method used Evaporization

Location of fluid disposal if hauled offsite: _____

Operator Name NA

Lease Name NA License No. _____

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

County _____ Docket No. 33

Operator: License # 07382

Name: KWB Oil Property Management, Inc.

Address 20 E. 5th St.

Suite 1100

City/State/Zip Tulsa, OK 74103-4439

Purchaser: N/A

Operator Contact Person: Charles A. Ellis

Phone (918) 583-8300 ext 207

Contractor: Name: ABERCROMBIE RTD, INC

License: 30684

Wellsite Geologist: Richard S. Davis

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: NA

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBSD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

12-27-96 01-07-97 01-09-97
Spud Date Date Reached TD Completion Date

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 Charles A. Ellis

Title President Date 2-17-97

Subscribed and sworn to before me this 17th day of February, 19 97.

Notary Public Hannie Bledsoe

Date Commission Expires 8-16-97

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)

SIDE TWO

Operator Name KWB Oil Property Management, Inc. Lease Name Ediger Well # 1
 Sec. 10 Twp. 32 Rge. 28 East West
 County Meade

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) List All E.Logs Run: Schlumberger Array Induction-SP, Micro-Resistivity-GR, Compensated Neutron Litho-Density-GR, Microlog-GR	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datums <table border="0" style="width:100%"> <tr> <th style="text-align:left">Name</th> <th style="text-align:left">Top</th> <th style="text-align:left">Datum</th> </tr> <tr> <td>Heebner Sh</td> <td>4284</td> <td>-1787</td> </tr> <tr> <td>Toronto</td> <td>4297</td> <td>-1800</td> </tr> <tr> <td>Lansing</td> <td>4428</td> <td>-1931</td> </tr> <tr> <td>Kansas City</td> <td>4688</td> <td>-2191</td> </tr> <tr> <td>Marmaton</td> <td>5029</td> <td>-2532</td> </tr> <tr> <td>Cherokee Sh.</td> <td>5182</td> <td>-2685</td> </tr> <tr> <td>Basal Atoka Sh.</td> <td>5378</td> <td>-2881</td> </tr> <tr> <td>Basal Atoka</td> <td>5410</td> <td>-2910</td> </tr> <tr> <td>Morrow</td> <td>5440</td> <td>-2943</td> </tr> <tr> <td>Miss. Chester</td> <td>5475</td> <td>-2978</td> </tr> <tr> <td>RTD</td> <td>5604</td> <td></td> </tr> </table>	Name	Top	Datum	Heebner Sh	4284	-1787	Toronto	4297	-1800	Lansing	4428	-1931	Kansas City	4688	-2191	Marmaton	5029	-2532	Cherokee Sh.	5182	-2685	Basal Atoka Sh.	5378	-2881	Basal Atoka	5410	-2910	Morrow	5440	-2943	Miss. Chester	5475	-2978	RTD	5604	
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RTD	5604																																				

CASING RECORD <input checked="" type="checkbox"/> New <input 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#	1660.73'	Prem Plus Midcon	375	3%CC, 1/2# flo seal/sk
					Prem Plus	150	2%CC, 1/4# flo seal/sk

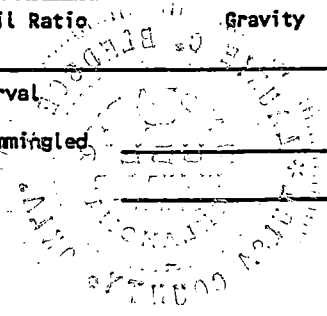
ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone.	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>P/A</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 <u>N/A</u>	Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____



ORIGINAL



HALLIBURTON ORIGINAL

1123

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
106468	01/09/1997

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
EDIGER 1		MEADE		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		ABERCROMBIE	PLUG TO ABANDON		01/09/1997
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
461455	W.C. CRAIG			COMPANY TRUCK	18887

KWB OIL PROPERTY MGMT INC
20 E 5TH - SUITE 1100
TULSA, OK 74103

RECEIVED
JAN 17 1997

DIRECT CORRESPONDENCE TO:
P O BOX 1598
LIBERAL KS 67901

*OK'd
Plug Well
AFB*

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	64 MI		2.99	191.36
		1 UNT			
000-119	MILEAGE FOR CREW	64 MI		1.60	102.40
		1 UNT			
009-019	PLUGGING BK SPOT CEMENT OR MUD	1670 FT		1,535.00	1,535.00
		1 UNT			
009-027	PLUGGING BK SPOT CEMENT OR MUD	2 HR		260.00	520.00
		1 UNT			
504-043	CEMENT - PREMIUM	75 SK		13.70	1,027.50
506-105	POZMIX A	3700 LB		.073	270.10
506-121	HALLIBURTON-GEL 2%	2 LB		.00	N/C
507-277	HALLIBURTON-GEL BENTONITE	4 SK		18.60	74.40
500-207	BULK SERVICE CHARGE	137 CFT		1.35	184.95
500-306	MILEAGE CMTG MAT DEL OR RETURN	340.50 TMI		1.05	357.53

INVOICE SUBTOTAL

DISCOUNT-(BID)
INVOICE BID AMOUNT

- *--KANSAS STATE SALES TAX
- *--LIBERAL CITY SALES TAX
- *--SEWARD COUNTY SALES TAX

P & A data

*AFB 1360
OK
CAE*

6274 P & A



RECEIVED
JAN 30 1997

4,263.24
KANSAS RECEIVED
1997 FEB 21 P
KANSAS CORP
COMM
52.64-
410.60
63.11
33.29
49.93

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$3,656.93

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.



JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION**MID CONTINENT**
LIBERAL KS.BILLED ON TICKET NO. **106468****WELL DATA**FIELD _____ SEC. **10** TWP. **32S** RING. **28W** COUNTY **MEADE** STATE **Ks.**FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u	24	8 3/8	GL.	1670	
LINER						
TUBING	u	16.6	4 1/2	KB	1670	
OPEN HOLE			7 7/8	1670	5600	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL**JOB DATA**

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 1-8-97	DATE 1-8-97	DATE 1-8-97	DATE 1-9-97
TIME 1210	TIME 1530	TIME 2000	TIME 2010

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. BROADFOOT	420045	LIBERAL KS.
C. LAY	52947	"
D. CORPENING	4115	HUBERTON KS.
H2441	75237	KANSAS DRIFT COMM

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 **CEMENT**

DESCRIPTION OF JOB
P.T.A. WELL 1ST PLG 50SKS 1670 FT
2ND PLUG 40SKS 600 FT. 3RD PLUG 10SKS 40 FT.
M.H. - R.H.

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

CUSTOMER REPRESENTATIVE **X W.C. Craig**

HALLIBURTON OPERATOR **Jim Broadfoot**

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	125	60% / 40 Poz. Pkcm		B	6% GEL	1.66	13.1

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

PRESLUSH: BBL.-GAL. **50-25** TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. **120**

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. **20-5.6**

CEMENT SLURRY: BBL.-GAL. **15-12-3-3.5-3**

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

M S D S ON 20 CT.
CMT To SURFACE

CUSTOMER **FUB OIL PROPERTY MANHATTAN LEASE**

DATE **1-8-97**

JOB TYPE **P.T.A.**

RECEIVED
KANSAS DRIFT COMM
FEB 21 P 1:33

JOB LOG HAL-2013-C

 CUSTOMER **KWB OIL PROP. MAN.** WELL NO. **1** LEASE **EAIGER** JOB TYPE **P.T.A.** TICKET NO. **106468**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1210							CALLED OUT - READY 1600
	1530							ON LOC. - LD.S.P. - SAFETY TREATING
								hook up to pump 1st Plug.
	2000							50SKS - 1st Plug 1670 ft
	2002	6.5	50			330		START H ₂ O SPACER
	2010	6.5	15			280		START CMT 13.1 #/GAL
	2012	6.5	20					START DISPLACEMENT H ₂ O
	2015	-	-			0		SHUT DOWN PULL up to 600 FT.
	2200							40SKS - 2ND Plug 600 FT.
	2205	4.3	2.5			70		START H ₂ O SPACER
	2211	4.3	12			60		START CMT 13.1 #/GAL
	2214	4.3	5.6					START DISPLACEMENT H ₂ O
	2215					0		SHUT OFF PULL up to 40 ft
	2330					0		10SKS - 3RD Plug 40 ft to SURFACE
	2335		3.0			30		START CMT 13.1 #/GAL
	2340		0			0		SHUT OFF PULL up CMT R.H.
	2345					0		15SKS R.H.
	2350		3.5			30		START CMT 13.1 #/GAL
	2355		0			30		SHUT OFF PULL up CMT M.H.
	2400							10SKS M.H.
	2405		3.0					START CMT 13.1 #/GAL
	2410		0					SHUT OFF PULL up Job OVER
	HAD A TIME SET BACK AFTER 1ST PLUG BECAUSE CELLAR VOLUME OVER CAME TOO VOLUME AFTER OUT OF CMT TILL CELLAR LOWERED BECAUSE CELLAR HOLD ABOUT 40 BBL FLUID -				THANKS FOR CALLING HALLIBURTON ENERGY SERVICES LIBERAL KS. HAVE A HAPPY NEW YEAR BROADFOOT-LAY-CORPENING			

 RECEIVED
 MANSAS COMPANY
 17 FEB 21 11:33

ORIGINAL

1123

REMIT TO:

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

*OK KWB
Cement Surface
CASING*



HALLIBURTON

Drilling AFE

INVOICE NO.	DATE
185228	12/28/1996

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
EDIGER 1	MEADE	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	ABERCROMBIE	CEMENT SURFACE CASING	12/28/1996		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
461455	KEITH R. GRAY			COMPANY TRUCK	18434

ORIGINAL

DIRECT CORRESPONDENCE TO

KWB OIL PROPERTY MGMT INC
20 E 5TH - SUITE 1100
TULSA, OK 74103

P O BOX 1598
LIBERAL KS 67901

RECEIVED
JAN 06 1997

RECEIVED
KANSAS CORP COM
991 FEB 21 1

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	39	MI	2.99	233.22
		2	UNT		
000-119	MILEAGE FOR CREW	39	MI	1.60	124.80
		2	UNT		
001-016	CEMENTING CASING	1	FT	1,360.00	1,360.00
		1	UNT		
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1	EA	221.00	221.00 *
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1	EA	64.00	64.00 ±
815.19414					
41	CENTRALIZER - 8-5/8 X 12-1/4	5	EA	61.00	305.00 *
806.61048					
320	BASKET-CMT-8 5/8 CSG X 21"-SLP	1	EA	124.00	124.00 *
806.71460					
030-018	CEMENTING PLUG 5W, PLASTIC TOP	8 5/8	IN	130.00	130.00 *
		1	EA		
504-282	MIDCON-2 PREMIUM PLUS CEMENT	375	SK	16.76	6,285.00 *
504-050	CEMENT - PREMIUM PLUS	150	SK	13.12	1,968.00 *
509-406	ANHYDROUS CALCIUM CHLORIDE	14	SK	40.75	570.50 *
507-210	FLOCELE	226	LB	1.65	372.90 *
500-207	BULK SERVICE CHARGE	587	CFT	1.35	792.45 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	1665.85	TMI	1.05	1,749.14 *

RECEIVED
JAN 30 1997

P

INVOICE SUBTOTAL

14,300.01

DISCOUNT-(BID)
INVOICE BID AMOUNT

5,433.99--
8,866.02

*-KANSAS STATE SALES TAX
*-LIBERAL CITY SALES TAX
*-SEWARD COUNTY SALES TAX

Surface Csg 2
Plugging Data 1:33

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$9,443.30

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

JOB LOG HAL-2013-C

CUSTOMER KWB Properties	WELL NO. 1	LEASE Ediger	JOB TYPE 8 7/8 sp.	TICKET NO. 185228
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1530							called out
	1800							on loc. rig drill.
	2130							start SBP.
	2300							out of hole w/d.p. rig up casers.
	2330							start 8 7/8 csg.
			ORIGINAL					
	128							csg on 60' Hook up 8 7/8 r.c.
	136							brk circ.
	144							circ. to pit
	219							Thru circ Hook Iron to pt.
	225	5.5	215		✓			100 PUMP 375m pt mc at 11.1 #/gal
	301	6.0	35		✓			150 PUMP 150sk pt at 14.8 #/gal
	309	0	35		✓			0 Thru mixing. Shut down prop plug
	312	6.0	103		✓			100 Pump disp.
	318	6.0	103		✓			180. 30 bbls in case to pit
	330	2.0	103		✓			380 94 bbls in sio case
	333	2.0	103		✓		400/1100	Land plug.
			103		✓			
	334	0	103		✓		1100/0	Release Plug - Hold.
								Thanks. For calling. Type Calvin & crew

RECEIVED
MANSAS
DRP COMM
1997 FEB 24 P 11:33



JOB SUMMARY

HALLIBURTON DIVISION mid cont. area
HALLIBURTON LOCATION Liberal

BILLED ON TICKET NO. 185228

WELL DATA
FIELD Wildcat SEC. 10 TWP. 32 RNG. 28 COUNTY Finney STATE KS.

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 5/8	KB	L246	
LINER					1662	
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS	ORIGINAL					
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert 8 5/8</u>	<u>1</u>	<u>H</u>
FLOAT SHOE <u>Fill up</u>	<u>1</u>	
GUIDE SHOE		<u>0</u>
CENTRALIZERS <u>SH</u>	<u>5</u>	
BOTTOM PLUG		<u>w</u>
TOP PLUG <u>SW</u>	<u>1</u>	
HEAD <u>P.C.</u>	<u>1</u>	<u>C</u>
PACKER		
OTHER <u>Basket</u>	<u>1</u>	<u>0</u>

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-28</u>	DATE <u>12-28</u>	DATE <u>12-29</u>	DATE <u>12-29</u>
TIME <u>1530</u>	TIME <u>1800</u>	TIME <u>225</u>	TIME <u>340</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
RECEIVED KANSAS CORP. COMM 1997 FEB 21 P. 1:33		

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 CMT
 DESCRIPTION OF JOB CMT 8 5/8 S.P.
 JOB DONE THRU: TUBING CASING ANNULUS TBG. ANN.
 CUSTOMER REPRESENTATIVE X J. J. [Signature]
 HALLIBURTON OPERATOR Joyce Danks COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>375</u>	<u>PT mc</u>		<u>B</u>	<u>3% 1/2" F10</u>	<u>3.22</u>	<u>11.1</u>
<u>1</u>	<u>150</u>	<u>PT</u>		<u>B-</u>	<u>2% CC 1/4"</u>	<u>1.32</u>	<u>14.8</u>

SUMMARY

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL (BBL.-GAL.) 103
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY (BBL.-GAL.) 215 LC 35T.C.
 TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET -42 REASON Shoe joint

REMARKS

73 bbls cmf to pit /
1275x cmf to pit
max plp 400psi

CUSTOMER KWB Properties
 LEASE Ediger
 WELL NO. 1
 JOB TYPE 8 5/8 S.P.
 DATE 12-28-97

15-119-20975

ORIGINAL

TRILOBITE TESTING L.L.C.

OPERATOR : KWB Oil Property Managmt
WELL NAME: Ediger #1
LOCATION : 10-32S-28W Meade KS
INTERVAL : 5360.00 To 5500.00 ft

DATE 1/8/97
KB 2497.00 ft TICKET NO: 8578 DST #1
GR 2492.00 ft FORMATION: Morrow
TD 5604.00 ft TEST TYPE: CONV. / STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	5495	5495	11038			PF Fr. 04:2 to 04:5 hr
SI 60 Range(Psi)	4200.0	4200.0	5075.0	0.0	0.0	IS Fr. 04:5 to 05:5 hr
SF 60 Clock(hrs)	12hr	12hr	12hr			SF Fr. 05:5 to 06:5 hr
FS 120 Depth(ft)	5483.0	5483.0	5601.0	0.0	0.0	FS Fr. 06:5 to 08:5 hr

	Field	1	2	3	4	
A. Init Hydro	2845.0	2918.0	0.0	0.0	0.0	T STARTED 02:0 hr
B. First Flow	123.0	148.0	0.0	0.0	0.0	T ON BOTM 04:2 hr
B1. Final Flow	123.0	126.0	0.0	0.0	0.0	T OPEN 04:2 hr
C. In Shut-in	167.0	177.0	0.0	0.0	0.0	T PULLED 08:5 hr
D. Init Flow	134.0	157.0	0.0	0.0	0.0	T OUT 11:3 hr
E. Final Flow	156.0	163.0	0.0	0.0	0.0	
F. Fl Shut-in	200.0	211.0	0.0	0.0	0.0	
G. Final Hydro	2804.0	2840.0	0.0	0.0	0.0	TOOL DATA-----
Inside/Outside	0	0				Tool Wt. 0.00 lbs

RECOVERY

Tot Fluid	60.00 ft of	60.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	58000.00 lbs
60.00	ft of Drilling Mud			Bot Choke	0.75 in
0.00	ft of			Hole Size	7.88 in
0.00	ft of			D Col. ID	2.25 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	0.00 ft
0.00	ft of			D.P. Length	5360.00 ft
0.00	ft of			H.W. I.D	2.70 in
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:
Weak blow, Died in 20 mins

Initial Shut In:

Final Flow:
Weak blow, Died in 5 mins

Final Shut In:

SAMPLES:
SENT TO:

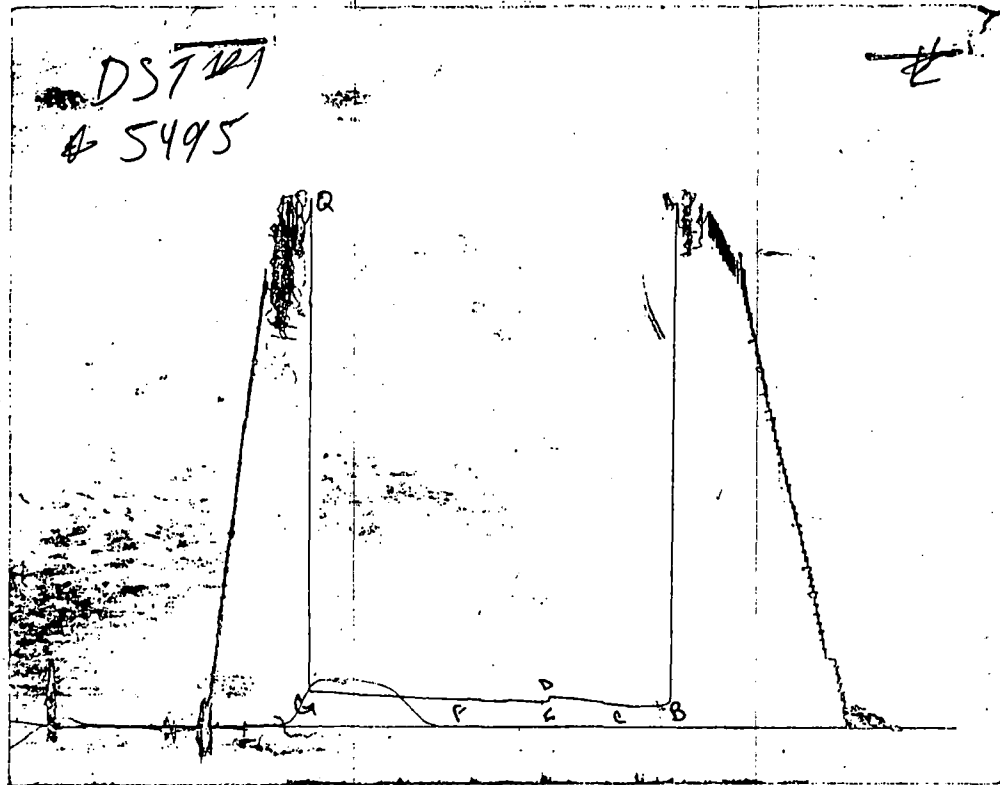
Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	53.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	120.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Tom Horacek
Co. Rep.	Steve Davis
Contr.	Ambercrombie
Rig #	5
Unit #	
Pump T.	

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CHART PAGE



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

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ORIGINAL