

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 30689

Name: Marathon Oil Company

Address P.O. Box 2690

City/State/Zip Cody, WY 82414

Purchaser: --

Operator Contact Person: R. P. Meabon

Phone ( 307 ) 587-4961

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: Peter Debenham

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Camp

Gas  ENHR  SIGW

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

If Workover:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBID

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

7/6/93 7/13/93 P&A'd 7/14/93

Spud Date Date Reached TD Completion Date

API NO. 15- 071-20602-0000

County Greeley

NE-NE-NE - Sec. 36 Twp. 18S Rge. 43  <sup>E</sup><sub>W</sub>

330 Feet from  <sup>N</sup> (circle one) Line of Section

330 Feet from  <sup>E</sup> (circle one) Line of Section

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

Lease Name Schmidt Well # 2-36

Field Name Wildcat

Producing Formation Plugged & Abandoned

Elevation: Ground 3852' KB 3865'

Total Depth 5160' PBTD Surface

Amount of Surface Pipe Set and Cemented at 556' 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 DFA 8-9-93  
Data must be collected from the Reserve Pit)

Chloride Content 7200 ppm Fluid volume 6500 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. \_\_\_\_\_

KANSAS CORPORATION COMMISSION  
RECEIVED  
2.2.93  
AUG 0 2 1993  
CONSERVATION DIVISION  
WICHITA, KS

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.

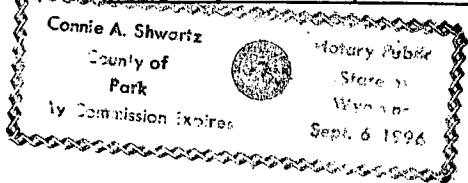
Signature CPOOR

Title Production Coordinator Date 7/29/93

Subscribed and sworn to before me this 29th day of July, 19 93.

Notary Public Connie A. Shwartz

Date Commission Expires 9-6-1996



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)

Form ACO-1 (7-91)

P1

ORIGINAL

SIDE TWO

Operator Name Marathon Oil Company Lease Name Schmidt Well # 2-36

Sec. 36 Twp. 18S Rge. 43  East  West County Greeley

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.)  Yes  No  
Samples Sent to Geological Survey  Yes  No  
Cores Taken  Yes  No  
Electric Log Run (Submit Copy.)  Yes  No

Log Formation (Top), Depth and Datums  Sample  
Name Top Datum

See Attachment

List All E.Logs Run:  
Array Induction Shallow Focused Log  
Compensated Neutron Log  
Compensated Photo Density Log

CASING RECORD

New  Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-7/8"	24.0	556' KB	HOWCO Lite	150	2% CaCl <sub>2</sub> 1/4#/sx. Cello

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing	--	--	--	--
Plug Back TD				
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
--	--	--	--

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	--	--	--	

Date of First, Resumed Production, SWD or Inj. Plugged & Abandoned Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) P&A'd

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
<u>27</u>	--	--	--	--	--

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) P&A'd

DST DATA

ORIGINAL

DST NO. 1 (5108'-5160'), Morrow Formation  
Type; Conventional Bottom Hole

<u>Period</u>	<u>Time</u>	<u>PSI</u>
IH		2560
IF	15	47-40
ISI	30	122
FF	10	66-66
FSI	5	71
FH		2520

IF- Weak blow, dead in 6 minutes.  
FF- No blow

Recovery; 5' of drilling mud. Sampler-3150 cc mud-no show.

FORMATION TOPS

<u>FORMATION</u>	<u>ELECTRIC LOG FORMATION TOPS</u>	<u>K.B. Elevation 3865'</u>
	<u>DEPTH</u>	<u>DATUM</u>
Niobrara	560'	+3305'
Greenhorn	811'	+3054'
Graneros	915'	+2950'
Bentonite Marker	998'	+2867'
Dakota	1069'	+2796'
Morrison	1359'	+2506'
Dog Creek Shale	1633'	+2232'
Blaine	1856'	+2009'
Flowerpot Shale	2368'	+1497'
Stone Corral	2513'	+1352'
Chase	2651'	+1214'
Neva	3309'	+556'
Admire	3344'	+521'
Foraker	3384'	+481'
Pennsylvanian Marker	3566'	-299'
Wabaunsee	3629'	+236'
Shawnee/Topeka	3772'	+93'
Heebner	4030'	-165'
Toronto	4063'	-198'
Lansing	4093'	-228'
Stark Shale	4378'	-513'
Marmaton	4530'	-665'
Ft. Scott	4636'	-771'
Cherokee	4665'	-800'
Atoka	4866'	-1001'
Morrow	5010'	-1145'
Lower Morrow SS	5108'	-1243'
Lower Morrow LS	5130'	-1265'

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KANSAS CORPORATION COMMISSION  
AUG 02 1993  
CONSERVATION DIVISION  
WICHITA, KS



CHARGE TO:  
 ADDRESS: MARATHON OIL & GAS  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. **507957 - X**

PAGE 1 OF

FORM 1906 R-12

1. SERVICE LOCATIONS <u>LOT 100</u>	WELL/PROJECT NO.	LEASE <u>SCHMIDT</u>	COUNTY/PARISH <u>G. BEELEY</u>	STATE <u>KY</u>	CITY/OFFSHORE LOCATION	DATE <u>7-14-93</u>	OWNER <u>SAHIF</u>
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>loc.</u>	ORDER NO. <u>3-216-93</u>	
3. WELL TYPE <u>01</u>	WELL CATEGORY <u>03</u>	JOB PURPOSE <u>115</u>	WELL PERMIT NO. <u>150712-0602</u>	WELL LOCATION <u>S.F. TOWNER</u>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
<u>000-117</u>						MILEAGE	<u>50</u>				<u>2.71</u>	<u>137.50</u>
<u>004-014</u>						PUMP CLEARANCE	<u>2650</u>					

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 CONSERVATION DIVISION  
 WICHITA, KS

<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions. CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <u>X</u> <i>[Signature]</i> DATE SIGNED <u>7/14/93</u> TIME SIGNED <u>1800</u> <input type="checkbox"/> A.M. <input type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b> AGREE UN-DECIDED DIS-AGREE		PAGE TOTAL FROM CONTINUATION PAGE(S) <u>3021 416</u> 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?		
	TUBING SIZE	TUBING PRESSURE	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			

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>MIKE FEJUKI</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u> <i>[Signature]</i>	HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u>	EMP # <u>44061</u>	HALLIBURTON APPROVAL
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## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President, Legal, 5151 San Felipe, Houston, Texas 77056.

JOB LOG FORM 2013 R-3

CUSTOMER: Marathon Oil Co. WELL NO.: 2-36 LEASE: Schmidt JOB TYPE: PTA. TICKET NO.: 507857

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								2592 P.C.P.
								36, 185, 42 1/2
								CHEELEY 155
	15:00							RIG ON LOC
	16:30							ON LOC
								SAME, MEET
								1ST PLUG 2650' 50 SK
		6	10			300		H2O AHEAD
		6	14			200		MIX CMT
		6	3.5			200		H2O BEHIND
	15:20	6	30			200		Mud BEHIND
								2nd PLUG 1650' 50 SK
		6	10			200		H2O AHEAD
		6	20			200		MIX CMT
		6	2.5			200		H2O BEHIND
	17:15	6	13			200		Mud BEHIND
								3rd PLUG 900 FT 50 SK
		6	10			200		H2O AHEAD
		6	14			200		MIX CMT
	17:45	6	8			200		H2O BEHIND
								4th PLUG 590 FT 50 SK
		4	20					CMT HOLE
		4	10					MIX CMT
	18:00	4	5					H2O BEHIND
								5th PLUG 400' 1054
			3					MIX SPOOL CMT
								FILE #11115

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AUG 09 1993

CONSULTATION DIVISION

CUSTOMER: MARATHON OIL LEASE: SCREED WELL NO: 2-26 JOB TYPE: PT II DATE: 7-14-92

**WELL DATA**

FIELD W C. SEC 36 TWP. 18S RNG. 42W COUNTY CHEROKEE STATE KS

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<input checked="" type="checkbox"/>	201	8 1/2	KB	542	
LINER							
TUBING		<input checked="" type="checkbox"/>	166	4 1/2	KB	2450	
OPEN HOLE				7 1/2	KB	5160	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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 \_\_\_\_\_

**TOOLS AND ACCESSORIES**

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

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-14-92</u>	DATE <u>7-14-92</u>	DATE <u>7-14-92</u>	DATE <u>7-14-92</u>
TIME <u>9:00</u>	TIME <u>14:30</u>	TIME <u>15:00</u>	TIME

**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

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>W MILLER</u>	<u>2592</u>	<u>LAMAR CO</u>
<u>D 9209</u>		
<u>G KIMMISTON</u>		
<u>F 4160</u>	<u>4037</u>	
<u>M KRICHEB</u>		
<u>L 9429</u>	<u>37459</u>	
<u>C ACLE</u>		
<u>41161</u>	<u>37459</u>	

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 CONSERVATION DIVISION  
 WICHITA, KS  
 AUG 02 1992  
 DEPARTMENT CON  
 DESCRIPTION OF JOB PT II  
 COMMISSIONER J P

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>Water Red</u>			<u>6 1/2 Cont 1/4 FL</u>	<u>166</u>	<u>12.8</u>
<u>2</u>	<u>80</u>						
<u>3</u>	<u>50</u>						
<u>4</u>	<u>50</u>						
<u>5</u>	<u>10</u>						

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

**SUMMARY**

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. \_\_\_\_\_

CEMENT SLURRY: BBL.-GAL. \_\_\_\_\_

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

**REMARKS**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



CHARGE TO:  
 ADDRESS: *Cherokee Drilling*  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No.

507978 - 9

PAGE 1 OF 2

FORM 1906 R-12

SERVICE LOCATIONS <i>1991000 13615</i>	WELL/PROJECT NO. <i>2.36</i>	LEASE <i>Schmidt</i>	COUNTY/PARISH <i>Greene</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>7-6-93</i>	OWNER <i>MARATHON</i>
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR <i>Schmidt</i>	RIG NAME/NO. <i>Cherokee Rig 7</i>	SHIPPED VIA	DELIVERED TO <i>Wellsite</i>	ORDER NO.	
3. WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010 8 5/8 SURFACE</i>	WELL PERMIT NO. <i>SPZ 150712602</i>	WELL LOCATION			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000-117						MILEAGE	50	mi			2.75	137.50
001-016						Pump Charge	549	FT			985.00	985.00
030-503						8 5/8 TOP WOODEN	1	EG	8 5/8		95.00	95.00
40	80793059					CENTRALIZERS	3	PC	8 5/8		71.00	213.00
507	8251269					COST ALUMINUM	1	EG	8 5/8		45.00	45.00
350	490.10802					WELD A	1	IN			14.50	14.50

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<b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.		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	1493.00
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE <i>X Phil Lloyd</i>	TYPE LOCK	DEPTH	BEAN SIZE	SPACERS	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				FROM CONTINUATION PAGE(S)	3730.01
DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
I <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered			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			SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	5423.01
<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>Phil Lloyd</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X Phil Lloyd</i>	HALLIBURTON OPERATOR/ENGINEER <i>Ronald Van Buren</i>	EMP #	HALLIBURTON APPROVAL
--	---	--	-------	----------------------



## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE; INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 36 TWP. 18S RNG. 43W COUNTY BROOKLYN 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>U</u>	<u>24</u>	<u>8 5/8</u>	<u>KA</u>	<u>559</u>	
LINER						
TUBING						
OPEN HOLE				<u>KB</u>	<u>565</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE _____	DATE <u>7-6-93</u>	DATE <u>7-6-93</u>	DATE <u>7-6-93</u>
TIME _____	TIME <u>11:00</u>	TIME <u>17:00</u>	TIME <u>17:00</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	<u>8 5/8" 3</u>	<u>Howe</u>
BOTTOM PLUG		
TOP PLUG	<u>8 5/8" 1</u>	
HEAD		
PACKER		
OTHER	<u>2 1/2" 1</u>	

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>Rowland Bussard</u>	<u>40079</u>	<u>LANARD CO</u>
<u>M. Miller</u>	<u>3591</u>	
<u>R. Kivisto</u>	<u>4037</u>	

**MATERIALS**

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

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DEPARTMENT Chem  
 DESCRIPTION OF JOB cut 8 5/8 SURPAC  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE X [Signature]  
 HALLIBURTON OPERATOR Rowland Bussard COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>HLC</u>	<u>A</u>		<u>2% CC 1/2 FLOCCLE</u>	<u>1.94</u>	<u>12.9</u>
<u>1</u>	<u>150</u>	<u>Standard</u>	<u>A</u>		<u>2% CC 1/2 FLOCCLE</u>	<u>1.18</u>	<u>15.6</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL. \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 3.21  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 802.6  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET A 3695 REASON Ballup

**REMARKS**

8 BBL of cement

CUSTOMER: Halliburton Services  
 LEASE: Standard  
 WELL NO: 2-36  
 JOB TYPE: 8 5/8 Standard  
 DATE: 7-6-93



# BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND  
TICKET NO. 507975

DATE <b>7-6-93</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>2-36 Schmidt</b>	COUNTY <b>Greeley</b>	STATE <b>KS</b>
CHARGE TO <b>Cheyenne Drilling</b>		OWNER <b>Marathon</b>	CONTRACTOR <b>Cheyenne 7</b>	
MAILING ADDRESS		DELIVERED FROM <b>Lamar</b>	LOCATION CODE <b>25615</b>	No. <b>B 127795</b>
CITY & STATE		DELIVERED TO <b>LOC.</b>	TRUCK NO. <b>4037-8151</b>	PREPARED BY <b>MCINTYRE</b>
				RECEIVED BY <b>Ronnie</b>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-316				Halliburton Light Cement	150	sks			7.87	1180.50	
504-308				Standard Cement	150	sks			8.05	1207.50	
509-406				Calcium Chloride 2% w/all	7	sks			32.50	227.50	
507-210				Flocele 1/4# w/all	75	#			1.45	108.75	
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5; font-size: 4em; pointer-events: none;">             THIS IS NOT AN INVOICE           </div> <div style="position: absolute; top: 40%; left: 20%; border: 1px solid black; padding: 5px; text-align: center;"> <b>RECEIVED</b>              KANSAS CORPORATION COMMISSION              AUG 02 1993              CONSERVATION DIVISION              WICHITA, KS           </div>											
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES	TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET				
500-207				SERVICE CHARGE			CU. FEET	319	1.25	398.75	
500-306				Mileage Charge	28565	TOTAL WEIGHT	50	LOADED MILES	714.13	TON MILES	
									.85	607.01	
No. <b>B 127795</b>							CARRY FORWARD TO INVOICE		SUB-TOTAL		<b>3730.01</b>

CUSTOMER

**JOB LOG** FORM 2013 R-3

CUSTOMER Cheyenne De Mery	WELL NO. R-36	LEASE Schmidt	JOB TYPE SURFACE	TICKET NO. 507978
------------------------------	------------------	------------------	---------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							CALLER OUT
	1130							RA Local on
	1400							Rig Drilling at 540 ft.
	1600							Rig Running csg.
	1602							Howard Huc Poo Job meeting
								Howard Huc up to Rig to csg.
	1621	5	5					to Howard
	1622							to START LEAD CMT
	1630	5	49					250 START TAIL
	1635	6	31					270 TAIL
								Release plug
	1637		0					to START TAIL
			25					CMT CIRC
	1643		33.1					250 DISC
								disc x RGL CMT

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WORK ORDER CONTRACT

FORM 2315 R-1

JOB ID: 507978

TO: HALLIBURTON ENERGY SERVICES: YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING:

WELL NO. 2-36	FARM OR LEASE Schmidt	COUNTY Greely	STATE KS.	WELL PERMIT NO. API 150712602
CUSTOMER Cheyenne Delling		WELL OWNER MANTON OIL GAS	JOB PURPOSE SURFACE	

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

**THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.**

For good and valuable consideration received, Customer (as identified above) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 the 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.

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E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this contract and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

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H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER OR AS CUSTOMER'S AGENT.

Philip Loyd  
NAME (PRINTED)

X *Philip Loyd*  
CUSTOMER OR CUSTOMER'S AGENT SIGNATURE

DATE

TIME

AM  
 PM

Customer Acceptance of Materials and Services

The Customer hereby acknowledges receipt of the materials and services described on the attached field ticket which carries Job ID number indicated above.

SIGNED

X *Philip Loyd*

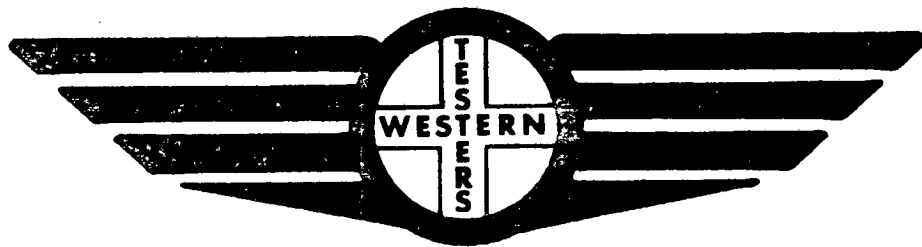
ORIGINAL

# FORMATION TEST REPORT

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WICHITA, KS

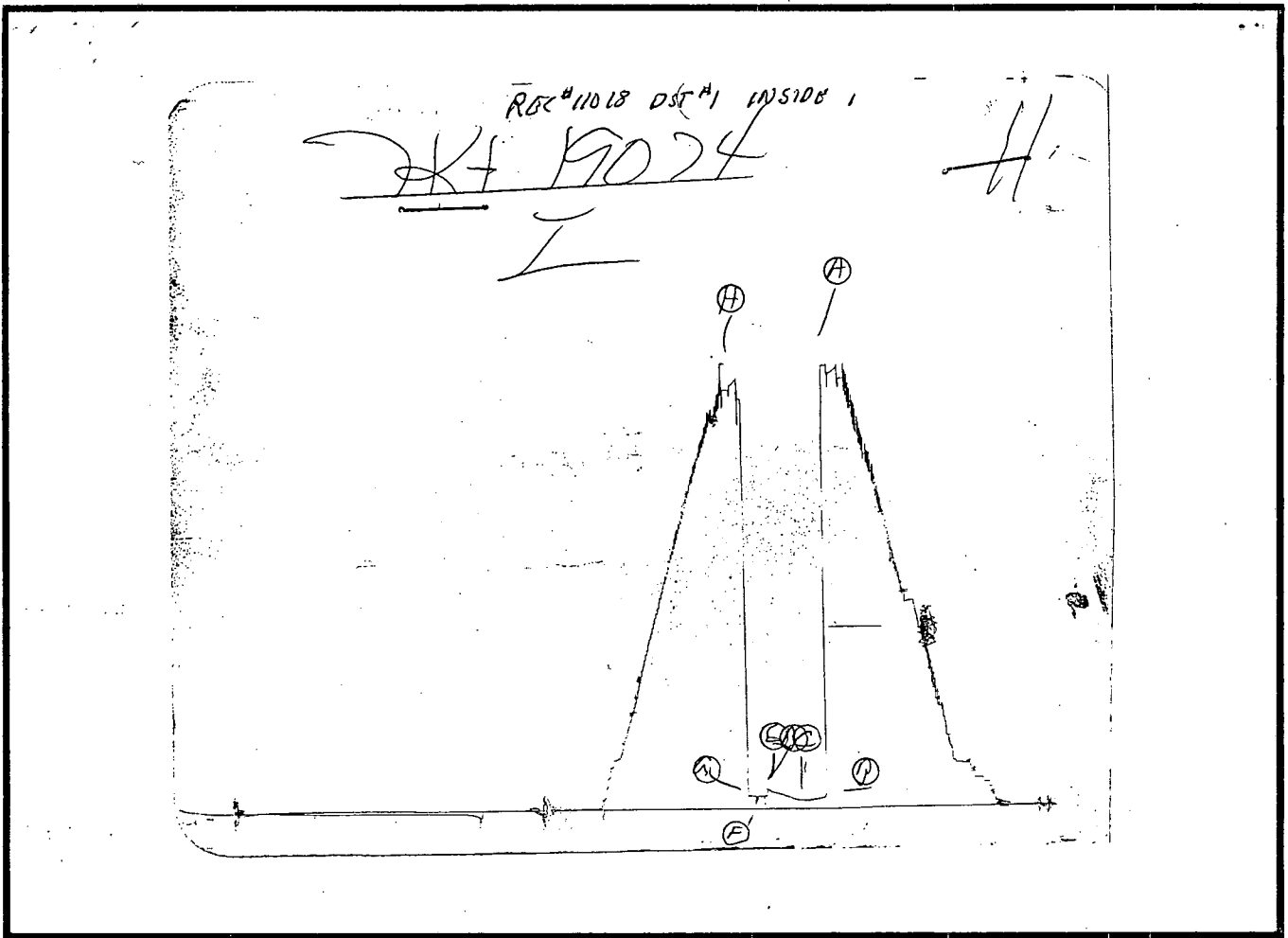


Home Office:

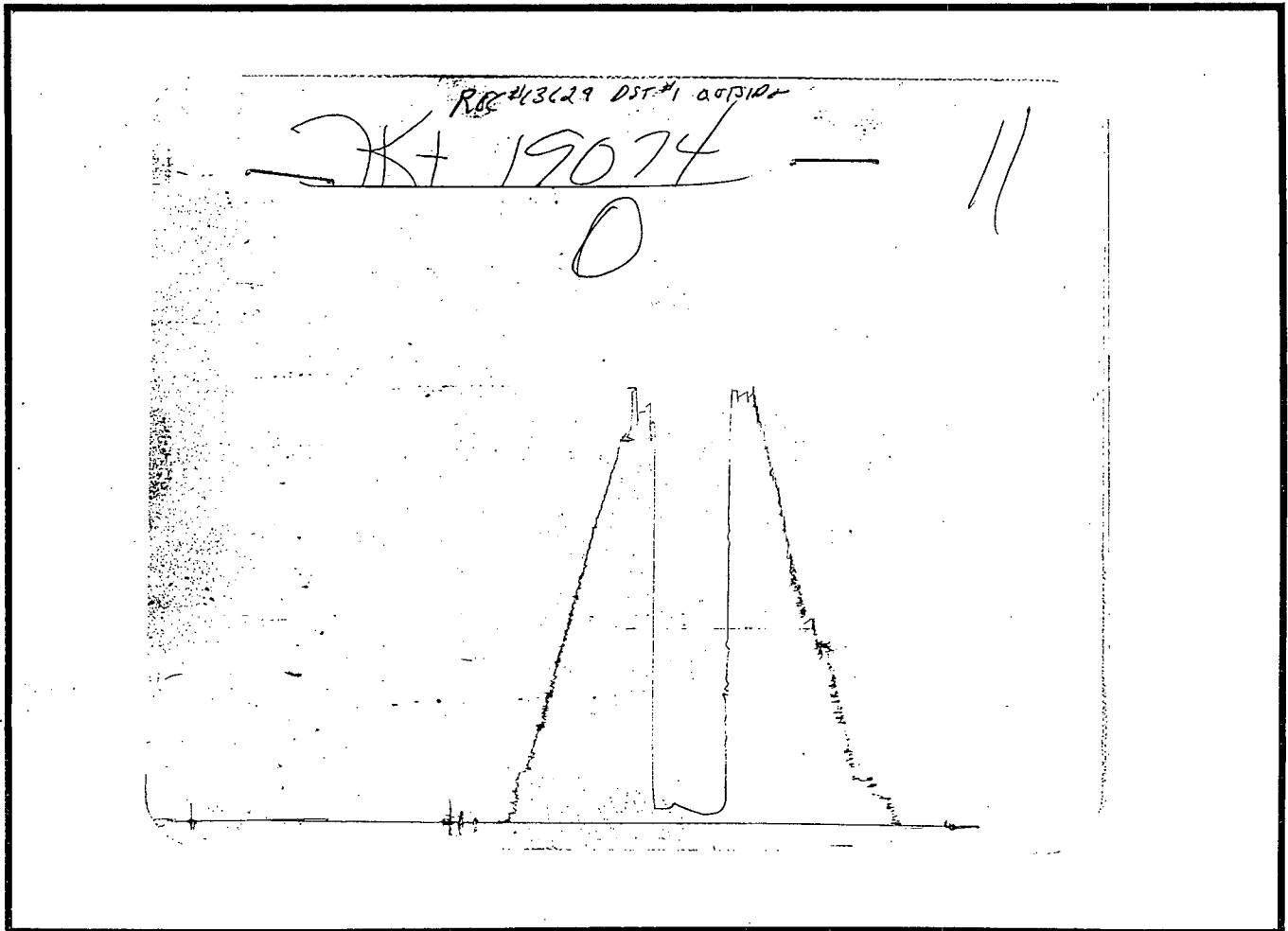
Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861



Inside Recorder



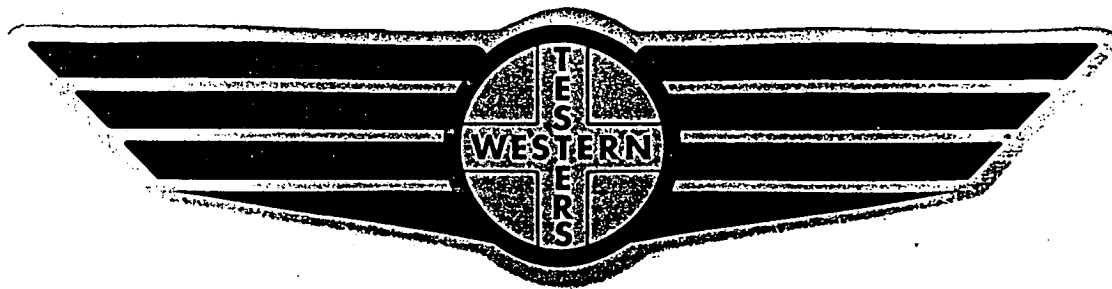
Outside Recorder

# FORMATION TEST REPORT

RECEIVED  
KANSAS CORPORATION COMMISSION

AUG 02 1993

CONSERVATION DIVISION  
WICHITA, KS



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY MARATHON OIL COMPANY

LEASE & WELL NO. #2-36 SCHMIDT

SEC. 36 TWP. 18S RGE. 43W TEST NO. 1 DATE 7/14/93



DST REPORT

GENERAL INFORMATION

DATE : 7/14/93 TICKET : 19074  
CUSTOMER : MARATHON OIL COMPANY LEASE : SCHMIDT  
WELL : #2-36 TEST: 1 GEOLOGIST: ?  
ELEVATION: 3852 GL FORMATION: MORROW  
SECTION : 36 TOWNSHIP : 18S  
RANGE : 43W COUNTY: GREELEY STATE : KS  
GAUGE SN#: 11018 RANGE : 4400 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 5108.00 ft TO: 5160.00 ft TVD: 5160.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 5113.0 ft 5157.0 ft  
TEMPERATURE: 129.0

DRILL COLLAR LENGTH:	660.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4417.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	31.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	52.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH:	5101.0 ft	SIZE:	6.750 in
PACKER DEPTH:	5108.0 ft	SIZE:	6.750 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : CHEYENNE RIG 7  
MUD TYPE : CHEMICAL VISCOSITY : 51.00 cp  
WEIGHT : 9.300 ppg WATER LOSS: 9.000 cc  
CHLORIDES : 7200 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 12363  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - DEAD IN 6 MINUTES.  
FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	25.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.0246 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0246 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2560.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	47.00	40.00
INITIAL SHUT-IN	30.00		122.00
FINAL FLOW	10.00	66.00	66.00
FINAL SHUT-IN	5.00		71.00

FINAL HYDROSTATIC PRESSURE: 2520.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2597.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	59.00	50.00
INITIAL SHUT-IN	33.00		116.00
FINAL FLOW	10.00	72.00	72.00
FINAL SHUT-IN	6.00		79.00

FINAL HYDROSTATIC PRESSURE: 2500.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/14/93	TICKET	: 19074
CUSTOMER	: MARATHON OIL COMPANY	LEASE	: SCHMIDT
WELL	: #2-36	TEST:	1
ELEVATION:	3852 GL	GEOLOGIST:	?
SECTION	: 36	FORMATION:	MORROW
RANGE	: 43W	TOWNSHIP	: 18S
GAUGE SN#:	11018	STATE	: KS
		CLOCK	: 12
		COUNTY:	GREELEY
		RANGE	: 4400

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	59.00	59.00
5.00	59.00	0.00
10.00	52.00	-7.00
15.00	50.00	-2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	50.00	50.00	0.00
6.00	50.00	0.00	0.00
9.00	52.00	2.00	0.00
12.00	58.00	6.00	0.00
15.00	69.00	11.00	0.00
18.00	78.00	9.00	0.00
21.00	86.00	8.00	0.00
24.00	95.00	9.00	0.00
27.00	99.00	4.00	0.00
30.00	106.00	7.00	0.00
33.00	116.00	10.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	72.00	72.00
5.00	72.00	0.00
10.00	72.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	76.00	76.00	0.00
6.00	79.00	3.00	0.00

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 7/14/93	TICKET	: 19074
CUSTOMER	: MARATHON OIL COMPANY	LEASE	: SCHMIDT
WELL	: #2-36	TEST:	1
ELEVATION:	3852 GL	GEOLOGIST:	?
SECTION	: 36	FORMATION:	MORROW
RANGE	: 43W	COUNTY:	GREELEY
GAUGE SN#:	11018	RANGE	: 4400
		STATE	: KS
		CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	0.00 PSIG	BHT:	129.0 DEG F
TOTAL VOLUME OF SAMPLER:	3150.00 cc		
TOTAL VOLUME OF SAMPLE:	3150.00 cc		
OIL:	0.00 cc		
WATER:	0.00 cc		
MUD:	3150.00 cc		
GAS:	0.00 cc		
OTHER:	0.00 cc		

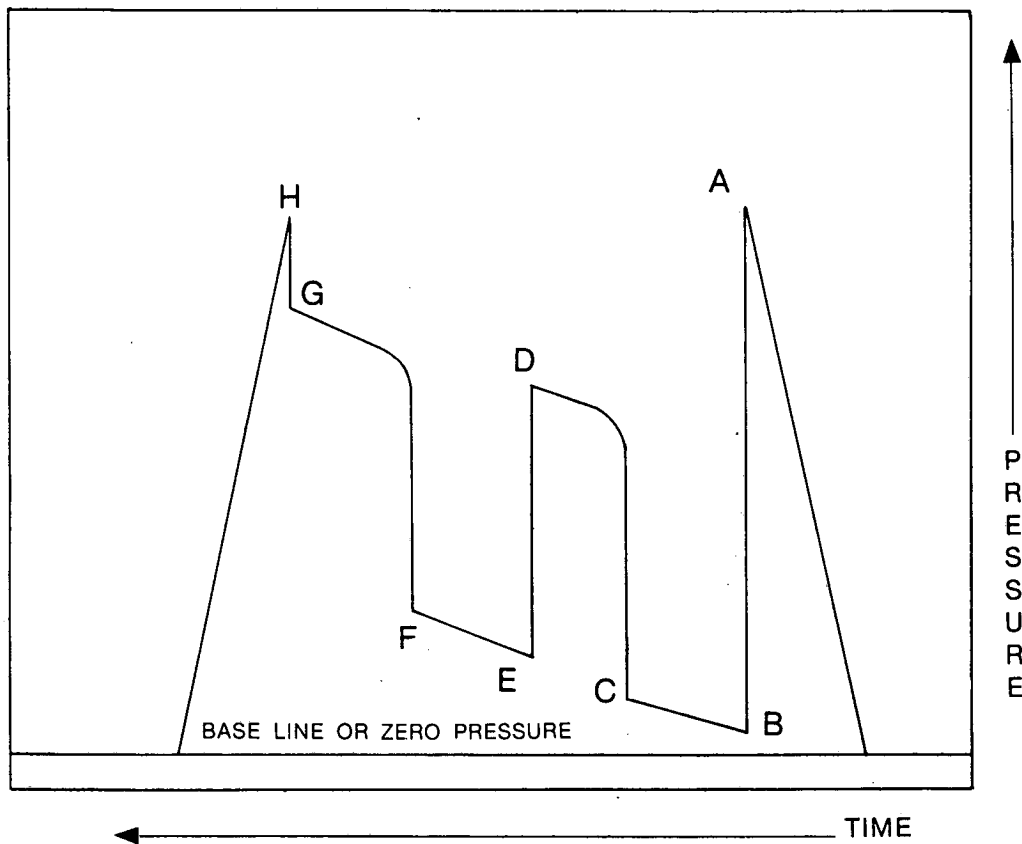
RESISTIVITY

DRILLING MUD:	CHLORIDE CONTENT:	0.00 ppm
MUD PIT SAMPLE:	CHLORIDE CONTENT:	7200.00 ppm
GAS/OIL RATIO:	GRAVITY:	
WHERE WAS SAMPLE DRAINED:	LOCATION	
REMARKS:		

### COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

### AK-1 Recorders



- A - Initial Hydrostatic
- B - First Initial Flow
- C - First Final Flow
- D - Initial Shut-In

- E - Second Initial Flow
- F - Second Final Flow
- G - Final Shut-In
- H - Final Hydrostatic