

ORIGINAL

SIDE ONE

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

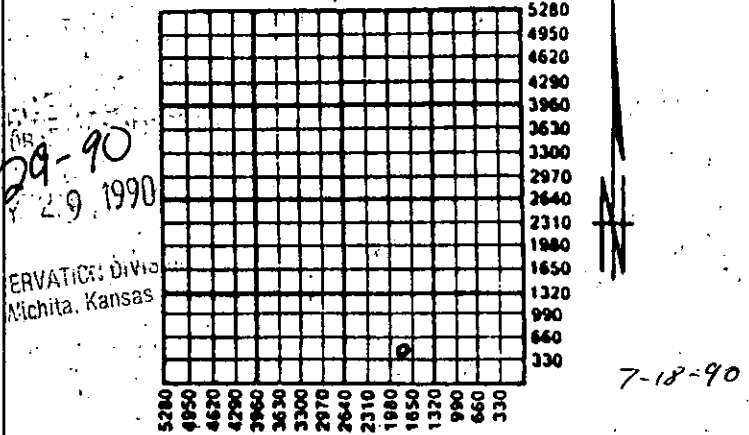
Operator: License # 8996
Name: Mid Continent Resources, Inc
Address P.O. Box 399
Garden City, Ks 67846
City/State/Zip _____
Purchaser: NA
Operator Contact Person: Cecil O'Brate
Phone (316) 275-7461
Contractor: Name: Emphasis Oil Operations
License: 8241

Wellsite Geologist: Scott Corsair STATE COR
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWM: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
1/26/90 2/6/90 3/23/90
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,400-0000
County Ness
150' SE C SW S 23 Twp. 19S Rge. 22 East West
610 Ft. North from Southeast Corner of Section
1850 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Gillig Well # 1
Field Name Schaben
Producing Formation NA
Elevation: Ground 2242' KB 2247'
Total Depth 4956' PBTD NA



Amount of Surface Pipe Set and Cemented at 484 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1465'
feet depth to surface w/ 260 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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
Subscribed and sworn to before me this 25th day of May, 19 90.
Notary Public Stanley R. Erb
Date Commission Expires 8-15-92

Stanley R. Erb
NOTARY PUBLIC
State of Kansas
My Appt. Expires
Date 5/25/90

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

ORIGINAL

SIDE TWO

Operator Name Mid Continent Resources, Inc Lease Name Gillig Well # 1

Sec. 23 Twp. 19S Rge. 22 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.)

Name	Formation Description	
	Top	Bottom
Anhydrite	1483	
Heebner	3711	
Lansing	3754	
BKC	4087	
Ft. Scott	4264	
Mississippian	4363	
Gilmore City	4483	
Viola	4580	
Arbuckle	4757	

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	12 1/4"	8 5/8"	24	484'	60/40	250	2% CC
Production top stage	7 7/8"	5 1/2"	15.5	4762'	60/40	200	2% gel 18% salt
					HIC & COM	250	2%CC
						200	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	4385-4393			500 Gal MOD 202		4385-93'	
	Swabbed Non-commercial						
	4385-4393 squeezed			100 sx. 60/40 poz		4385-93	
TUBING RECORD				Liner Run			
Lined	Size 2 7/8"	Set At 4700'	Packer At 4700'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First Production		Producing Method					
NA		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		NA	NA	NA	NA		

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

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) Disposal

Production Interval _____

ORIGINAL

EMPHASIS OIL OPERATIONS.

P. O. BOX 506
RUSSELL, KS 67665

15-135-23400-0000

DRILLERS LOG

OPERATOR: Mid-Continent Resources, Inc.
P. O. Box 399
Garden City, Kansas 67846

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Gillig WELL #1

LOCATION: C SW SE
Section 23-19S-22W
Ness County, Kansas

LOGGERS TOTAL DEPTH: 4956'

ROTARY TOTAL DEPTH: 4956'

COMMENCED: 1/26/90

CASING: 8-5/8" @ 484' w/250 sks cement
5-1/2" @ 4762' w/200 sks cement

ELEVATION: 2247'

COMPLETED: 2/6/90

STATUS: Disposal Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Post Rock & Shale	315'	Lime & shale	2295'
Sand	427'	Lime	4053'
Red Bed	456'	Mississippi	4370'
Cedar Hills	928'	Lime	4572'
Red Bed	1139'	R.T.D.	4956'
Anhydrite	1490'		

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)


Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Kyle B. Branum

Subscribed and sworn to before me on February 8, 1990.

My commission expires: February 6, 1992.

 **GLEND A. TIFFIN**
NOTARY PUBLIC
STATE OF KANSAS
MY APP. EXPIRES 2-6-92

Glenda R. Tiffin

Glenda R. Tiffin, Notary Public

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name & No.	GILLIG #1	Test No.	1	Date	2/1/90
Company	MID-CONTINENT RESOURCES INC	Zone Tested	CHEROKEE #1 SAND		
Address	P.O. BOX 399 GARDEN CITY KS 67846		Elevation	2295	
Co. Rep./Geo.	MR SCOTT CORSAIR	Cont.	EMPHASIS RIG #5	Est. Ft. of Pay	10
Location: Sec.	23	Twp.	19S	Rge.	22W
Co.	NESS	State	KANSAS		

Interval Tested	4281-4300	Drill Pipe Size	4.5" XH
Anchor Length	19'	Top Choke - 1"	
Top Packer Depth	4276	Bottom Choke - 3/4"	
Bottom Packer Depth	4281	Hole Size - 7 7/8"	
Total Depth	4300	Rubber Size - 6 1/4"	
Wt. Pipe I.D. - 2.7		Ft. Run	0
Drill Collar - 2.25		Ft. Run	299.71
Mud Wt.	9.2	Viscosity	55
	lb./gal.	Filtrate	9.6
Tool Open @	4:23 PM	Initial Blow	VERY WEAK BLOW LEVELING OFF @ 3/8" AFTER SHUT IN
Final Blow	NO BLOW-FLUSHED TOOL-SURGE-NO HELP		

Recovery - Total Feet	2	Flush Tool?	2nd OPENING
Rec.	2	Feet of	MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	111	°F	Gravity		°API @	0	°F	Corrected Gravity	0	°API
RW		@	°F Chlorides		ppm Recovery	5000	ppm System			
(A) Initial Hydrostatic Mud	2210.1	PSI	AK1 Recorder No.	13851	Range	4425				
(B) First Initial Flow Pressure	23.1	PSI	@ (depth)	4283	w/Clock No.	31154				
(C) First Final Flow Pressure	23.1	PSI	AK1 Recorder No.	13850	Range	4325				
(D) Initial Shut-in Pressure	34.5	PSI	@ (depth)	4297	w/Clock No.	27585				
(E) Second Initial Flow Pressure	23.1	PSI	Initial Opening	30						
(F) Second Final Flow Pressure	23.1	PSI	Initial Shut-in	30						
(G) Final Shut-in Pressure	56.2	PSI	Final Flow	10						
(H) Final Hydrostatic Mud	2145.8	PSI	Final Shut-in	30						

Our Representative ROGER SELLS/FRED GOFF TOTAL PRICE \$ 400

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name & No.	GILLIG #1	Test No.	2	Date	2/2/90
Company	MID-CONTINENT RESOURCES INC	Zone Tested	MISSISSIPPI		
Address	P.O. BOX 399 GARDEN CITY KS 67846		Elevation	2295	
Co. Rep./Geo.	MR SCOTT CORSAIR	Cont.	EMPHASIS RIG. #5	Est. Ft. of Pay	8
Location: Sec.	23	Twp.	19S	Rge.	22W
		Co.	NESS	State	KANSAS

Interval Tested	4353-4370	Drill Pipe Size	4.5" XH
Anchor Length	17	Top Choke - 1"	
Top Packer Depth	4348	Bottom Choke - 1/4"	
Bottom Packer Depth	4353	Hole Size - 7 1/8"	
Total Depth	4370	Rubber Size - 6 1/4"	
Wt. Pipe I.D. - 2.7		Ft. Run	0
Drill Collar - 2.25		Ft. Run	299.71
Mud Wt.	9.1	Viscosity	50
	lb./gal.	Filtrate	10.8
Tool Open @	11:52 AM	Initial Blow	WEAK 1/4" BLOW INCREASING TO WEAK 1 1/4"
	BLOW		
Final Blow	VERY WEAK SURFACE BLOW		

Recovery - Total Feet	2	Flush Tool?	NO
Rec.	2	Feet of	MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

BHT	111	°F	Gravity		°API @	0	°F	Corrected Gravity	0	°API
RW		@	°F Chlorides		ppm Recovery	6000	ppm System	4425		
(A) Initial Hydrostatic Mud	2284.1	PSI	AK1 Recorder No.	13851	Range	4425				
(B) First Initial Flow Pressure	23.1	PSI	@ (depth)	4355	w/Clock No.	31154				
(C) First Final Flow Pressure	34.5	PSI	AK1 Recorder No.	13850	Range	4325				
(D) Initial Shut-in Pressure	34.5	PSI	@ (depth)	4366	w/Clock No.	27585				
(E) Second Initial Flow Pressure	34.5	PSI	Initial Opening	45						
(F) Second Final Flow Pressure	34.5	PSI	Initial Shut-in	30						
(G) Final Shut-in Pressure	34.5	PSI	Final Flow	10						
(H) Final Hydrostatic Mud	2245.6	PSI	Final Shut-in	10						

RECEIVED
CORPORATE
MAY 29 1990
Wichita, Kansas

Our Representative MR CARL GOFF TOTAL PRICE \$ 400

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name & No.	GILLIG #1	Test No.	3	Date	2/3/90
Company	MID-CONTINENT RESOURCES INC	Zone Tested	MISSISSIPPI		
Address	P.O. BOX 399 GARDEN CITY KS 67846	Elevation	2295		
Co. Rep./Geo.	MR SCOTT CORSAIR	Cont.	EMPHASIS RIG #5	Est. Ft. of Pay	0
Location: Sec.	23	Twp.	19S	Rge.	22W
Co.	NESS	State	KANSAS		

Interval Tested	4350-4386	Drill Pipe Size	4.5" XH
Anchor Length	36	Top Choke - 1"	
Top Packer Depth	4345	Bottom Choke - 3/4"	
Bottom Packer Depth	4350	Hole Size - 7 7/8"	
Total Depth	4386	Rubber Size - 6 1/4"	
Wt. Pipe I.D. - 2.7		Ft. Run	0
Drill Collar - 2.25		Ft. Run	299.71
Mud Wt.	9.2 lb./gal.	Viscosity	47
		Filtrate	13.6
Tool Open @	4:45 AM	Initial Blow	MISRUN-PACKER FAILURE
Final Blow			

Recovery - Total Feet	510	Flush Tool?	
Rec.	510	Feet of	DRILLING MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
BHT	0 °F	Gravity	0 °API @ 0 °F
		Corrected Gravity	0 °API
RW	@ 0 °F	Chlorides	ppm Recovery
		Clorides	6000 ppm System
(A) Initial Hydrostatic Mud	0 PSI	AK1 Recorder No.	13851 Range 4425
(B) First Initial Flow Pressure	0 PSI	@ (depth)	4352 w/Clock No. 31154
(C) First Final Flow Pressure	0 PSI	AK1 Recorder No.	13850 Range 4325
(D) Initial Shut-In Pressure	0 PSI	@ (depth)	4382 w/Clock No. 27585
(E) Second Initial Flow Pressure	0 PSI	Initial Opening	0
(F) Second Final Flow Pressure	0 PSI	Initial Shut-In	0
(G) Final Shut-In Pressure	0 PSI	Final Flow	0
(H) Final Hydrostatic Mud	0 PSI	Final Shut-In	0

TRILOBITE TESTING COMPANY ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

TEST TICKET

N^o 2809

Well Name & No. Gilling #1 Test No. 4 Date 2/3/90
 Company Mid-Continent Resources Inc. Zone Tested Miss
 Address P.O. Box 399 Garden City, KS. 67846 Elevation 2295' AB
 Co. Rep. / Geo. Scott Cassin Cont. Empress Rig #5 Est. Ft. of Pay _____
 Location: Sec. 23 Twp. 19S Rge. 22W Co. Ness State Ks.
 No. of Copies 2-2809 Distribution Sheet _____ Yes No Turnkey _____ Yes No

Interval Tested 4374-4386 Drill Pipe Size 4 1/2 X H
 Anchor Length 12 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4369 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4324 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4386 Drill Collar — 2.25 Ft. Run 299.71
 Mud Wt. 9.7 lb/gal. Viscosity 45 Filtrate 10%
 Tool Open @ 10:16 AM Initial Blow Very weak surface blow increasing to 5/8" blow
 Final Blow Very weak surface blow - Flushed Tool - No Help

Recovery — Total Feet 5 Flush Tool? 2nd open
 Rec. _____ Feet of Only mud
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 8,000 ppm System
 (A) Initial Hydrostatic Mud 2274 PSI AK1 Recorder No. 13857 Range 4425
 (B) First Initial Flow Pressure 44 PSI @ (depth) 4376 w/Clock No. 31154
 (C) First Final Flow Pressure 44 PSI AK1 Recorder No. 13850 Range 4325
 (D) Initial Shut-In Pressure 45.5 PSI @ (depth) 4383 w/Clock No. 29385
 (E) Second Initial Flow Pressure 44 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 44 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 188 PSI Initial Opening 30 Test 100^{psi}
 (H) Final Hydrostatic Mud 2207 PSI Initial Shut-In 30 Jars X
 Final Flow 5 Safety Joint X
 Final Shut-In 30 Straddle _____

Approved By Scott Cassin 1000
 Our Representative Carl [Signature]
 Circ. Sub X
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name & No.	GILLIG #1	Test No.	5	Date	2/3/90
Company	MID-CONTINENT RESOURCES INC	Zone Tested	MISSISSIPPI		
Address	P.O. BOX 399 GARDEN CITY KS 67846		Elevation	2295	
Co. Rep./Geo.	MR SCOTT CORSAIR	Cont.	EMPHASIS RIG #5	Est. Ft. of Pay	5
Location: Sec.	23	Twp.	19S	Rge.	22W
Co.	NESS	State	KANSAS		

Interval Tested	4375-4395	Drill Pipe Size	4.5" XH	
Anchor Length	20	Top Choke - 1"		
Top Packer Depth	4370	Bottom Choke - 1/4"		
Bottom Packer Depth	4375	Hole Size - 7 7/8"		
Total Depth	4395	Rubber Size - 6 1/4"		
Wt. Pipe I.D. - 2.7		Ft. Run	0	
Drill Collar - 2.25		Ft. Run	299.71	
Mud Wt.	9.2 lb./gal.	Viscosity	46	
		Filtrate	17.4	
Tool Open @	9:58 PM	Initial Blow	WEAK 1/4" BLOW INCREASING TO A FAIR 4" BLOW	
Final Blow	WEAK SURFACE BLOW INCREASING TO A 2" BLOW			

Recovery - Total Feet	90	Flush Tool?	NO
Rec.	60	Feet of	GAS IN PIPE
Rec.	90	Feet of	SLIGHTLY OIL CUT MUD - 5% OIL / 95% MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
BHT	118 °F	Gravty.	°API @ 0 °F
		Corrected Gravty.	0 °API
RW	@	°F Chlorides	ppm Recovery Chlorides 8000 ppm System
(A) Initial Hydrostatic Mud	2310.1	PSI	AK1 Recorder No. 13851 Range 4425
(B) First Initial Flow Pressure	45.1	PSI	@ (depth) 4378 w/Clock No. 361154
(C) First Final Flow Pressure	56.3	PSI	AK1 Recorder No. 13850 Range 4325
(D) Initial Shut-In Pressure	1225.3	PSI	@ (depth) 4392 w/Clock No. 27585
(E) Second Initial Flow Pressure	69.4	PSI	Initial Opening 30
(F) Second Final Flow Pressure	81.2	PSI	Initial Shut-In 30
(G) Final Shut-In Pressure	1225.3	PSI	Final Flow 30
(H) Final Hydrostatic Mud	2236.9	PSI	Final Shut-In 45

Our Representative MR CARL F GOFF

TOTAL PRICE \$ 400

HALLIBURTON SERVICES
Dallas, Oklahoma 75238
 A Division of Halliburton Company

TICKET

NO. **908223-8**

ORIGINAL

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME #1 Gillig		COUNTY Nowa	STATE KS	CITY / OFFSHORE LOCATION	DATE 2-5-90
CHARGE TO Mid Continent Resources		OWNER same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Emporis Oil	LOCATION 1 Nwrs City, KS		CODE 50353
CITY, STATE, ZIP		SHIPPED VIA 3580	FREIGHT CHARGES <input checked="" type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 Nowa
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-818030	DELIVERED TO S/BAZINE, KS		LOCATION 3
TYPE AND PURPOSE OF JOB 035		ORDER NO.	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 3580	15	Mi			220	3300
001-016		1		Pump Charge	4774	ft				113300
70	807.93022	1		S-1 Centralizers	6	pc	5 1/2	in	4100	26400
80	855.137	1		Formation Packer Shoe	1	pc	5 1/2	in		240000
82	855.02913	1		Fill up Unit	1	pc	7 1/2	in		1500
300	800.8883	1		Cement Basket	1	pc	5 1/2	in		9000
49	818.01145	1		Subsidiary						24000
576	800.8883	1		Subsidiary						9000

THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **2B-818030** **1776 94**

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X **DEAN TUES**
 CUSTOMER OR HIS AGENT (PLEASE PRINT)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Don Leusman
 HALLIBURTON OPERATOR

APPROVAL: _____
 DATE: **29 1990**

SUB TOTAL
 APPLICABLE TAXES WILL BE ADDED ON INVOICE.

CONSERVED BY THE STATE OF OKLAHOMA

HALLIBURTON SERVICES
JOB LOG

WELL NO. #1 LEASE Gillig TICKET NO. 908223
 CUSTOMER MidContinent Resources PAGE NO. 1
 JOB TYPE Cement Longstring DATE 2-6-90

FORM 2013 R-2

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							On location @ Requested time
								Rig laying down D.P.
	1735							Rig fin laying down D.P. Setup Horo equip
	1925							Start 5 1/2" casing in hole - Pkr shoe on bottom, latch down barrel in 1st collar
								Cent. on collars 4, 9, 13, 16, 80, 85
								Cement Basket on Jt. #81
	2145							Finish running casing. Drop fill up unit ball - 8 sts off bottom
	2155							Hook up to Rig start cir csng
	2205							Stop cir. Drop ball for Packer Shoe.
								Rig cont. to cir untill ball seated.
	2220							Fin cir - Hook to Horo-equip-
	2225					800		Set Packer Shoe with salt flush
		5				350		Cent. salt flush.
	2229		20			400		Fin salt flush
	2231	5				400		Start mixing 200 sts 60/10 Pw, 2% gel
								18% salt, 1/2% CFR-3, 1/4" 1st floate
	2240		46			100		Fin mixing cont
								Wash out pump & lines.
								Release latch down Plug.
	2243	7				150		Start displ
		4	108			1000		Slow rate last 4BBL
	2259		112 1/2			500		Plug down - hold
	2302					1000		Release pin - hold
	2307		3			1500		Plug RH. thru Hg with 3 BBL cont.
								Wash up & Pack up P.T.
	2330							Job complete

Thank You
 D. Lewman 71718
 B. Cassaride 89543
 R. Beiers 57270

NEUE
 DATE CORP.
 1990
 CONSERVATION DIV.
 WICHITA, KANSAS
 CUSTOMER

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1808 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 908223

DISTRICT Hays, Ks DATE 2-6-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Mid Continent Resources (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Gillig SEC 23 TWP. 19s RANGE 22W
FIELD _____ COUNTY Ness STATE Ks OWNED BY Sunc

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT:

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 4956' MUD WEIGHT _____
BORE HOLE 7 7/8"
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>776A</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Cement 5 1/2" casing with 200 cts 60#/10 Rz, 2% gal, 18% salt, 1/2% CR-3, 1/4" #1st floacle

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED _____ CUSTOMER

DATE 2-6-90

TIME 1:00 A.M. (P.M.)

WELL DATA

FIELD _____ SEC. 23 TWP. 19S RNG. 22W COUNTY Noss 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 1756'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	15.5	5 1/2	KD.	17ft	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-6</u>	DATE <u>2-6</u>	DATE <u>2-6</u>	DATE <u>2-6</u>
TIME <u>1100</u>	TIME <u>1700</u>	TIME <u>1900</u>	TIME <u>2330</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Baffle</u>	<u>1</u>	
FLOAT SHOE <u>Poker shoe</u>	<u>1</u>	
GUIDE SHOE		
CENTRALIZERS <u>3-1/2</u>	<u>6</u>	
BOTTOM PLUG		
TOP PLUG <u>Latch down</u>	<u>1</u>	
HEAD <u>5 1/2</u>	<u>1</u>	
PACKER		
OTHER <u>Cement Basket</u>	<u>1</u>	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Latham</u>	<u>3580</u>	
<u>B. Cimsak</u>	<u>RCM</u>	<u>Noss City, Ks.</u>
<u>R. Borens</u>	<u>0530</u>	
	<u>Bulk Trk</u>	<u>Hays, Ks.</u>

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 Cement processing as directed

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>200</u>	<u>62/40</u>	<u>Poz.</u>	<u>B</u>	<u>2% RL, Retasalt, 1% CER-3, 1/4 Florida</u>	<u>1.31</u>	<u>1471</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET 32 REASON Shoe Joint

PRESLUSH: BBL-GAL _____ TYPE _____

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISP. BBL-GAL 112.5

CEMENT SLURRY BBL-GAL 116 1/2

TOTAL VOLUME: BBL-GAL _____

REMARKS See Job Log to Chart
Thank You Don't crew

CUSTOMER Millwright Resources

LEASE Billis

WELL NO. #1

JOB TYPE Case & long string

DATE 2-6-90

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **908223**

HALLIBURTON SERVICES
A Division of Halliburton Company

DATE 2-6-90		CUSTOMER ORDER NO.		WELL NO. AND FARM Gillig #1		COUNTY Ness		STATE Kansas	
CHARGE TO Mid Continent Resources				OWNER Same		CONTRACTOR No. B 848030			
MAILING ADDRESS				DELIVERED FROM Hays, Ks		LOCATION CODE 50325		PREPARED BY Kuhn	
CITY & STATE				DELIVERED TO S Maxine, Ks		TRUCK NO. 0530		RECEIVED BY <i>Don Lemman</i>	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				200 Cu. Ft. Pozmix Cement 2% Gel						
504-308	516.00261	2	B	Standard Cement	120				5.45	654 00
506-105	516.00286	2	B	Pozmix 'A'	80				2.88	230 40
506-121	516.00259	2	B	Jak Halliburton Gel @2%						n/c
509-968	516.00315	2	B	Salt Blended	1724	lb			.073	125 85
509-968	516.00158	2	B	Salt on side	600	lb			.073	43 80
507-153	516.00161	2	B	X CFR-3 Blended	84	lb			3.90	327 60
507-210	890.50071	2	B	Fleece Blended	50	lb			1.23	61 50
				Returned Mileage Charge						
				TOTAL WEIGHT	LOADED MILES		TON MILES			
				SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET			
500-207		2	B	SERVICE CHARGE			219	.95		208 05
500-306		2	B	Mileage Charge 19,958	18		179.622	.70		125 74
No. B 848030				CARRY FORWARD TO INVOICE			SUB-TOTAL		1,776 94	

THIS IS NOT AN INVOICE

FORM 1911-R6 REV. 8-85
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER

JOB LOG

WELL NO. #1 LEASE Gillig TICKET NO. 108557
 CUSTOMER MED Continant Resources PAGE NO. #1
 JOB TYPE Spring Perf & Circ Cont DATE 2-14-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:00							Called out
	14:00							On location / set up tite
	14:30							Fix Braden head
	15:15							Take injection rate
	15:17	4	8				250	4 bpm at 250 PSI
	15:18						250	Started mixing cont
	15:33	4 1/2	65				100	Done mixing cont
	15:34							Released plug & washed out lines
	15:35	2						Started drag
	15:47	2	24				300	w/ 24 bbl displaced - cont circulated
	15:48						300	Shut in annulus
	15:52	1	27				1000	Pumped 3 bbl set Pressure at 1000 PSI
	15:55							Released pressure on braden head
	15:59	2	34				500	Displaced to 34 bbl
	16:00						400	400 PSI Holding
	16:05							Shut in
	16:10							washed up tite
	16:20							Braden up
	16:30							Job complete
								Thank you
								Lee

STATE OF KANSAS
 1990
 CONSERVATION DIVISION
 WICHITA

J. Fricks = 81495
 R. Layton = 00719
 J. Skoels = 67184

A Division of Halliburton Company

NO. - FARM OR LEASE NAME <i>Gilling</i>		COUNTY <i>Ness</i>	STATE <i>Ks</i>	CITY / OFFSHORE LOCATION	DATE <i>2-14-90</i>
CHARGE TO <i>MID Continent Resources</i>		OWNER <i>Same</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS <i>P.O. Box 399</i>		CONTRACTOR <i>none</i>	LOCATION <i>1 Ness City, Ks</i>		CODE <i>50353</i>
CITY, STATE, ZIP <i>Garden City, Ks</i>		SHIPPED VIA <i>Ness City</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>		LOCATION <i>2 Great Bend, Ks</i>
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO. <i>B-879296</i>	DELIVERED TO <i>Sgt Boyne Ks</i>	LOCATION <i>3</i>	CODE <i>50320</i>
TYPE AND PURPOSE OF JOB <i>035</i>		ORDER NO.	REFERRAL LOCATION		

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 3472	15	mi			220	3300
009-134	009-019	1		Pump Service	1465	ft			861.00	861.00
030-016		1		Top Plug 5-w	1	ea	5 1/2 in		47.00	47.00

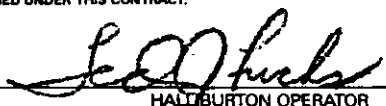
THIS IS NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-879296** 1705 82

WAS JOB SATISFACTORILY COMPLETED?
 WAS OPERATION OF EQUIPMENT SATISFACTORY?
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

CUSTOMER OR HIS AGENT (PLEASE PRINT)
 CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.


 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____
 CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT Hays, Ks

DATE 2-14-90

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: MRO Contingent Resources (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Gilley SEC 23 TWP. 19S RANGE 22W

FIELD _____ COUNTY Allex STATE Ks OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH 1465 MUD WEIGHT _____

BORE HOLE _____

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>U</u>	<u>15 1/2</u>	<u>5 1/2</u>	<u>61</u>	<u>1465</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>1465</u>	<u>1465</u>	<u>4</u>
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Squeeze Pack of cut casing from 1465ft to surface w/ 200skts
HLC w/ 1/2" flocc & 50skts Standard w/ 220cc

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED [Signature] CUSTOMER

DATE 2-14-90

TIME 7 A.M./P.M.

CONSERVATION DISTRICT
Wichita, Kansas

WELL DATA

WELL NO. _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Ness STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 4900

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	u	16.5	5 1/2	62	4900	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				1465	1465	4
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-14-90</u>	DATE <u>2-14-90</u>	DATE <u>2-14-90</u>	DATE <u>2-14-90</u>
TIME <u>12:00</u>	TIME <u>7:00</u>	TIME <u>14:10</u>	TIME <u>16:00</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>5-W 5 1/2</u>	<u>1</u>	<u>Houco</u>
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Fuchs</u>	<u>3472</u>	<u>Ness City, Ks</u>
<u>R. Welter</u>	<u>Comb</u>	<u>Ness City, Ks</u>
<u>J. Sheets</u>	<u>3046 Bull</u>	<u>Grant Bond, Ks</u>

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. _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Crust

DESCRIPTION OF JOB Spurring Pumps & Bringout

R. Swartz

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Scott Carr

HALLIBURTON OPERATOR R. Fuchs COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>200</u>	<u>HLCC</u>	<u>Bemis</u>	<u>B</u>	<u>1/2 Hercul</u>	<u>1.57</u>	<u>12.7</u>
	<u>50</u>	<u>Standard</u>	<u>Port</u>	<u>B</u>	<u>270CC</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____

CEMENT LEFT IN PIPE _____

FEET 25 REASON Request

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL. 37 BBL-GAL. _____

CEMENT SLURRY: 66 BBL-GAL. _____

TOTAL VOLUME: BBL-GAL. _____

REMARKS _____

CUSTOMER: M&D Contract Resources

WELL NO. _____

JOB TYPE: Spurring Pumps

DATE: 2-14-90

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **908559**

HALLIBURTON SERVICES
A Division of Halliburton Company

DATE 2-14-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Gillig	COUNTY Ness	STATE Ks.
CHARGE TO Mid-Continent Resources		OWNER Same	CONTRACTOR No. B 879296	
MAILING ADDRESS		DELIVERED FROM Gt. Bend, Ks.	LOCATION CODE 50320	PREPARED BY J.M. Sheets
CITY & STATE		DELIVERED TO Location	TRUCK NO. 3046-6608	RECEIVED BY <i>J.M. Sheets</i>

PRICE REFERENCE	SECONDARY REF. OR PART. NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-316		2	b	Halliburton Light Cement	200	sk			4.92	984.00	
504-308	516.00261	2	b	Standard Cement	50	sk			5.45	272.50	
509-406	890.50812	2	b	Calcium Chloride 2% W/50	1	sk			26.25	26.25	
507-210	890.50071	2	b	Flocalc Blended 1/4# W/200	50	lb.			1.23	61.50	
THIS IS NOT AN INVOICE											
				Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES		
				STAT C	SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207		2	b	May 29 1990 SERVICE CHARGE			CU. FEET 252		.95	239.40	
500-306		2	b	Mileage Charge 23,270	15		174.53		.70	122.17	
No. B 879296				TOTAL WEIGHT		LOADED MILES		TON MILES			
CARRY FORWARD TO INVOICE									SUB-TOTAL		1705.82

CUSTOMER



17237
2490 cont. Bm, + FE

WELL NO. - FARM OR LEASE NAME 1 Gillig		COUNTY Ness	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 1-27-90
CHARGE TO Mid Continent Resources		OWNER STAMP		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS P.O. Box 399		CONTRACTOR Emphasis Rig 5		LOCATION 1 Ness City, Ks.	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
CITY, STATE, ZIP Garden City, Ks. 67846		SHIPPED VIA 3580		LOCATION 2 Hays, Ks.	CODE 50353
WELL TYPE 01		WELL PERMIT NO. 2 B-848105		LOCATION 3	CODE 50325
TYPE AND PURPOSE OF JOB 010		ORDER NO.		REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 3580	15	mi			2.20	3300
001-016		1		Pump Charge	787	fl.				16980
030-503		1		2 cup Wooden Plug	1	ea	8 5/8	in		5900
40	807.93059	1		5-1 Centralizer	1	ea	8 5/8	in		5300

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **2 B-848105** 162940

WAS JOB SATISFACTORILY COMPLETED?

WAS OPERATION OF EQUIPMENT SATISFACTORY?

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

Bill Owen CONSERVATION DIV. Wichita, Kansas
CUSTOMER OR HIS AGENT (PLEASE PRINT)

Bill Owen
CUSTOMER OR HIS AGENT (SIGNATURE)

I WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

SUPT: **Don Lammann**
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

SUB TOTAL **224420**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT Hayes, Ks.

DATE 1-27-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Mid Continent Resources (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Gillis SEC 23 TWP. 19S RANGE 22W

FIELD _____ COUNTY Ness STATE Ks. OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____ FROM _____ TO _____ THICKNESS _____ Packer: TYPE _____ SET AT _____ TOTAL DEPTH 487' MUD WEIGHT _____ BORE HOLE 12 1/4" INITIAL PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF PRESENT PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., SHOTS/FT. Rows include CASING, LINER, TUBING, OPEN HOLE, and PERFORATIONS.

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED Cement casing to surface with 250 sks 60/40 Tbr, 2% gel, 3% C.C. as directed!

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies...
c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others...
d) That Halliburton warrants only title to the products, supplies and materials...
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well...
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act...
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

CONSERVATION DIVISION Wichita, Kansas

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED [Signature] CUSTOMER DATE 1-27-90

WELL DATA

FIELD Schaben SEC. 23 TWP 19S RNG 22W COUNTY Ness 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 787'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	20 [#]	8 5/8	KB	487'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-21</u>	<u>1</u>	<u>Hawco</u>
BOTTOM PLUG		
TOP PLUG <u>2 cup warden</u>	<u>1</u>	<u>Hawco</u>
HEAD <u>8 5/8</u>	<u>1</u>	<u>Hawco</u>
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-27</u>	DATE <u>1-27</u>	DATE <u>1-27</u>	DATE <u>1-27</u>
TIME <u>0100</u>	TIME <u>0250</u>	TIME <u>0700</u>	TIME <u>1000</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. Lemman</u>	<u>3580</u>	
<u>R. Logleiter</u>	<u>Combo</u>	<u>Ness City, KS</u>
<u>R. Berens</u>	<u>51252 Bulk Trk</u>	<u>Hays, KS.</u>

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 Cement casing to surface as directed

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Full Owen

HALLIBURTON OPERATOR Don Lemman COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>60/40</u>	<u>Por A</u>	<u>B.</u>	<u>2% gel, 3% C.C.</u>	<u>1.28</u>	<u>14.36</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE 20 1990 USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

FEET 20' REASON Requested

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 30 1/2

CEMENT SLURRY: BBL-GAL. 57

TOTAL VOLUME: BBL-GAL. _____

REMARKS see Job log to chart
Thank you
Don & Roger

CUSTOMER Midcontinent Resources

LEASE Callig

WELL NO. #1

JOB TYPE Cement

DATE 1-27-90

HALLIBURTON SERVICES
JOB LOG

WELL NO. #1 LEASE Gillis TICKET NO. 908213
 CUSTOMER Mid Continent Resources PAGE NO. 1
 JOB TYPE Cement Surface DATE 1-27-90

FORM 2013R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0250							Called @ 0100 Ready @ 0300 On location - Rig broke down & cir. Rig repair drive chain.
	0305							Rig continue drlg. Set up Howco equip. Fin Drlg. - cir hole
	0350							Rig trip out of hole and (make short)
	0410							trip back in hole and cir hole.
	0500							st. cir hole
	0540							Pull D.P.
	0555							D.P. out of hole
	0650							st. 8 5/8" casing - cent 20' up on 1 st st.
	0705							11 Joints of casing - weld & strap.
	0815							Casing on bottom Hook up to cir.
	0850							Rig start cir. casing.
	0905							Fin cir casing. Hook to Howco - equip.
	0910	5				150		Start mixing 250 sks cement. 10/40 Poz, 2% gel, 3% c.c.
	0922		60			175		Fin mixing cement. Release Jump Top Plug.
	0923	4 1/2				180		Start displ. with fresh H ₂ O
	0930		30 1/2			225		Fin displ. - 15 BBL cement cir to surface
						100		Wash up & Rack up
	1000							Job Complete <i>Thank You</i>
								D. Lemman 71718 R. Legleiter 80719 R. Berens 57220

RECEIVED
STATE CORPORATE
MAY 29 1990
CONSERVATION DIVISION
Wichita, Kansas

DATE 1-27-90

TICKET NUMBER 908213

COMPANY Mid Continent Resources

HR. FIELD

1990 HR

KIND OF JOB Cement Storage

1st
2nd
3rd
4th
5th
6th
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OPERATOR Leavelle

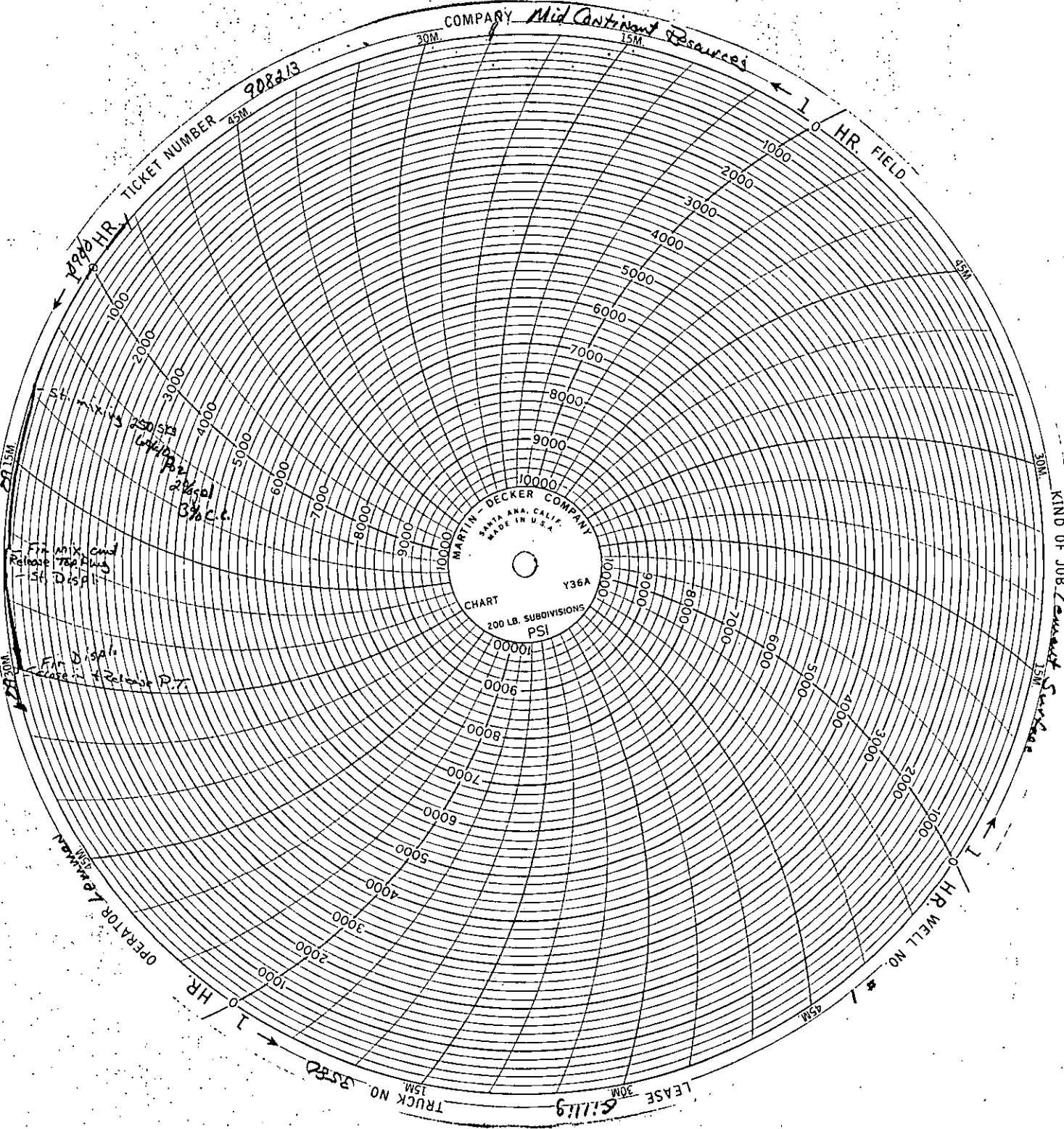
HR

TRUCK NO. 3580

LEASE Gilling

HR WELL NO. #1

MARTIN DECKER COMPANY
SANTA ANA, CALIF.
MADE IN U.S.A.
CHART Y36A
200 LB. SUBDIVISIONS
PSI





BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. 702514

DATE 2-17-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Gillig #1	COUNTY Ness	STATE Kansas
CHARGE TO Mid Continent		OWNER Same	CONTRACTOR No. B 848062	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S Bazine, Ks	TRUCK NO. 0818	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-308	516.00261	2	B	Standard Cement	75				5.45	408 75
507-665	70.15556	2	B	Halad-9 Blended	42	1b			6.25	262 50
500-207		2	B	CONSERVATION DIVISION Wichita, Kansas SERVICE CHARGE				75	.95	71 25
500-322		2	B	Mileage Charge	7,092	TOTAL WEIGHT	18	63,828	Min	45 00
No. B 848062					CARRY FORWARD TO INVOICE				SUB-TOTAL	787 50

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO.

708 564

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT Hwy 15

DATE 2-17-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: M&D Contract Resources (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE Gilling SEC. 23 TWP. 19 RANGE 22

FIELD _____ COUNTY Ness STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____ FORMATION THICKNESS _____ FROM _____ TO _____ PACKER: TYPE R775 SET AT 4365 TOTAL DEPTH 4761 MUD WEIGHT _____ BORE HOLE _____ INITIAL PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF PRESENT PROD: OIL _____ BPD, H2O _____ BPD, GAS _____ MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Squeeze Pump w/ 50 sts class A w/ 1 to 20 sts class A

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
c) That 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 products, supplies or materials, nor the results of any treatment 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 against any damages arising from the use of such information.
d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

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

SIGNED Scott Carter CUSTOMER

DATE 2-17-90

TIME 11:30 A.M. P.M.



JOB SUMMARY

DIVISION Missouri City, TX
 HALLIBURTON LOCATION Missouri City, TX

BILLED ON TICKET NO. 908924

WELL DATA

FIELD _____ SEC. 23 TWP. 19 RNG. 22 COUNTY Waco STATE K.

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 R775 SET AT 4318

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 4764

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>W</u>	<u>155</u>	<u>5 1/2</u>	<u>62</u>	<u>4764</u>	
LINER						
TUBING	<u>W</u>		<u>3 3/8</u>	<u>62</u>	<u>4268</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>4192</u>	<u>4292</u>	
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD	<u>Slipper Head</u>	<u>Hanna</u>
PACKER	<u>R775</u>	<u>Hanna</u>
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2-17-90</u>	DATE <u>2-17-90</u>	DATE <u>2-17-90</u>	DATE <u>2-17-90</u>
TIME <u>10:00</u>	TIME <u>14:00</u>	TIME <u>15:00</u>	TIME <u>17:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
<u>T. Fuchs</u>	<u>347</u>	<u>Missouri City, TX</u>
<u>R. Leggett</u>	<u>Coat</u>	<u>Missouri City, TX</u>
<u>R. Bergman</u>	<u>0516</u>	<u>Moys, K.</u>

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 Coat

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Scott Cannon

HALLIBURTON OPERATOR Scott Cannon 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>Standard</u>	<u>Port</u>	<u>2</u>	<u>97. H&O 9</u>	<u>1.18</u>	<u>156</u>
	<u>25</u>	<u>Standard</u>	<u>Port</u>	<u>2</u>		<u>1.18</u>	<u>156</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

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

ORDERED _____ AVAILABLE _____ 1990

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

HYDRAULIC HORSEPOWER _____

STATE _____

CEMENT LEFT IN PIPELINE _____

Wichita, Kansas

SUMMARY

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKON: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. 1581 BBL.-GAL.

CEMENT SLURRY 1576 BBL.-GAL.

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER Scott Cannon

LEASE 6.11.9

WELL NO. 21

JOB TYPE Special Pump

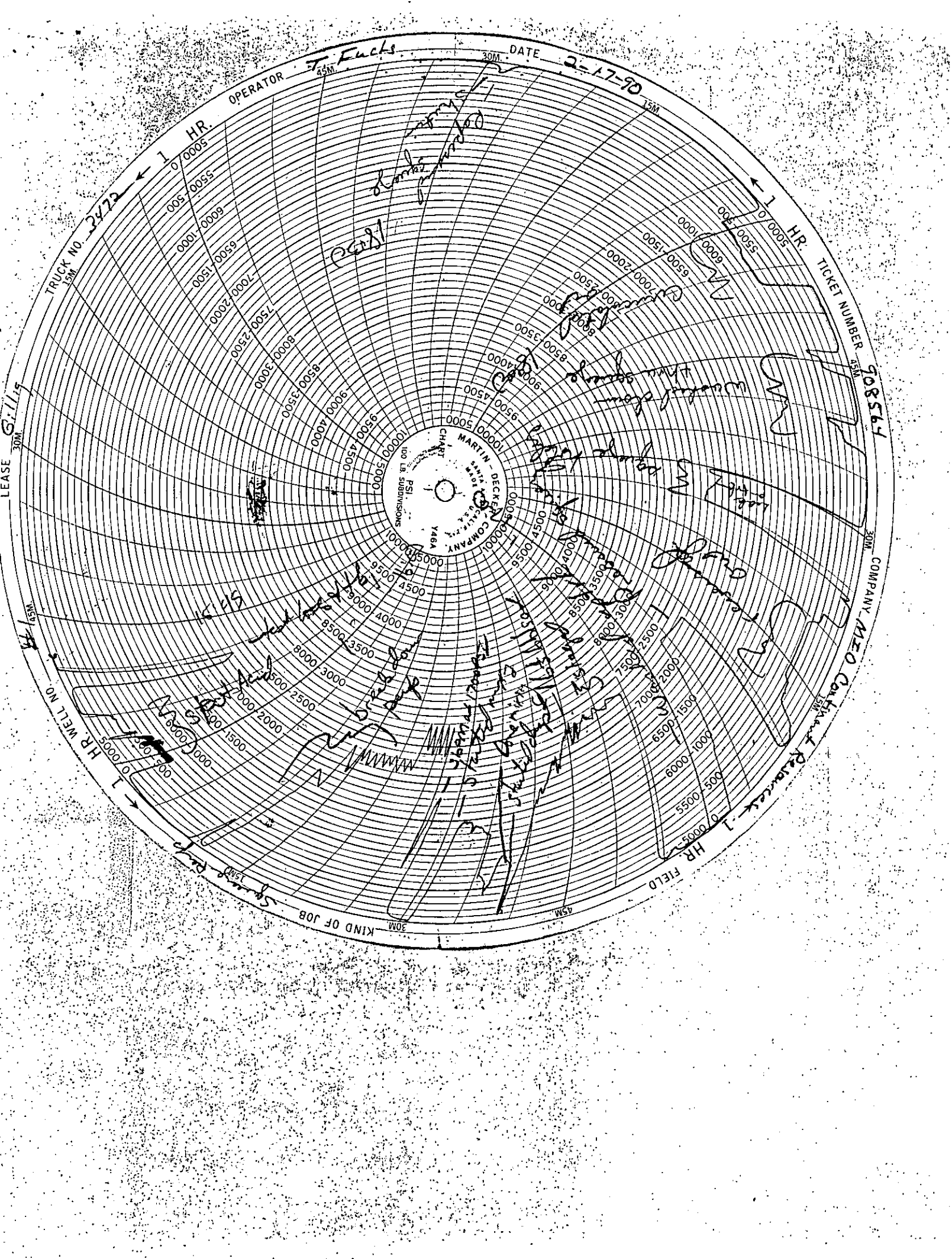
DATE 2-17-90

JOB LOG

WELL NO. #1 LEASE Gilling TICKET NO. 108564
 CUSTOMER MED Contract Resources PAGE NO. 21
 JOB TYPE Squeeze Pump DATE 2-17-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	10:00							Called out
	14:30							On location / 50 bbl per
	15:45					2500		Test the tools to 2500 PSI Packer at 4401 ft
	15:47					2500		Holding
	15:55	3	17					Spot Acid 250 gal and 11 bbl fluid
	16:02							Pull RTTS to 4368 ft & set
	16:08							Load annular test to 700 PSI
	16:08							Holding - shut in
	16:11					2760		Break down pump at 2700 ft - stop acid
	16:27	3	6					Pump broke down - 36 BPM at 1700 PSI
	16:30					1500		Started mixing cement
	16:38	2	16			200		Done mixing cement
	16:39					200		Started deep
	16:40	2	2					Cmt on bottom
	16:48	2	16.5			2500		16.5 bbls out at 2500 PSI @ 1/4 BPM
	16:48	2				2500		Shut down
	16:55					2500		Staged at 2500 PSI
	16:56							Shut in at well head & washed pipe
	17:03					2500		Pressured to 2500 PSI
	17:10					2500		Holding
	17:10							Released pressure & Dried up
	17:12	2	18					Unset Packer & reversed out
	17:25					2500		Repressured squeeze to 2500 PSI
	17:30					2500		Holding
	17:40							Washed down thru squeeze
	17:53	3	25					Circulate clean
	18:02							Done circ.
	18:05							Pulled 10 joints & set packer
	18:25					2000		Pressured to 2000 PSI on squeeze
	18:27					200		Holding - shut in
	18:30							Racked up Jtk
	19:00							Job completed
								Thank you
								JD
								T. Euchs = R1493
								R. Legleiter = B0719
								R. Berens = 57220



OPERATOR *T. Fuchs*

DATE *2-17-90*

TRUCK NO. *3472*

TICKET NUMBER *508564*

LEASE *Gilling*

HR WELL NO. *1*

COMPANY *MEO*

KIND OF JOB

MARTIN DECKER COMPANY
PSI
100 LB. SUBSIDIARY
Y46A