

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

API NO. 15- 135-23,708-000
 County Ness **ORIGINAL**

Operator: License # 8996
 Name: Mid-Continent Resources, Inc.
 Address P. O. Box 399

City/State/Zip Garden City, KS 67846
 Purchaser: Texaco Trading & Transportation

Operator Contact Person: Scott Corsair
 Phone (913) -398-2270

Contractor: Name: Emphasis Oil Operations
 License: 8241

Wellsite Geologist: Scott Corsair

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: _____
 Well Name: _____
 Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
9/27/92 10/5/92 1-13-93
 Spud Date Date Reached TD Completion Date

SW - SE - SW - 24 Sec. 19S Twp. 22 Rge. X E/W
330 Feet from (N) (circle one) Line of Section
1650 Feet from (E) (circle one) Line of Section

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

Lease Name Gillig Well # 1-24

Field Name Schaben

Producing Formation Mississippian

Elevation: Ground 2264' KB 2269'

Total Depth 4393' PBTD _____

Amount of Surface Pipe Set and Cemented at 515 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1453 Feet

If Alternate II completion, cement circulated from 1453

feet depth to surface w/ 275 sx cnt.

Drilling Fluid Management Plan DLT 2 3-P-93
 (Data must be collected from the Reserve Pit)

Chloride content 52,000 ppm Fluid volume 275 bbls

Dewatering method used evaporate

Location of fluid disposal KANSAS CORPORATION COMMISSION

Operator Name _____
3-3-93
MAR 03 1993

Lease Name _____ License No. _____
 Conservation Division
 Quarter Sec. Twp. WICHITA Rge. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Scott Corsair
 Title Geologist Date 1-25-93

Stanley R. Erb
 NOTARY PUBLIC
 State of Kansas
 My Appl. Expires 7-24-96

Subscribed and sworn to before me this 25th day of February, 19 93.
 Notary Public Stanley R. Erb
 Date Commission Expires 1-5-96

F.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

Operator Name Mid-Continent Resources, Inc. Lessee Name Gillig Well # 1+24

Sec. 24 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1492	+777
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3739	-1470
List All E.Logs Run:		Lansing	3786	-1517
		BKC	4126	-1857
		Pawnee	4203	-1934
		Ft. Scott	4287	-2018
		Cherokee	4306	-2037
		Miss. Osage	4377	-2108

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	23#	515	60/40poz	300	2%gel, 3%cc
Production	7 7/8	5 1/2	14#	4377	60/40poz	140	2%gel, 10% gel, 1/4# flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	surface	HLC	225	1/4# flocele
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	1453'	60/40 poz	50	3% cc

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		Amount and Kind of Material Used	Depth

TUBING RECORD	Size 2 7/8	Set At 4350	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 1-13-93	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 16.7	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity 39
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Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: 4377-4393

ORIGINAL

SCOTT CORSAIR

Consulting Geologist
211 N. Main P.O. Box 6
Bazine, Ks 67516
913-398-2594 913-398-2270
Mobile 913-731-5060 FAX 913-398-2586

GEOLOGICAL REPORT

MID CONTINENT RESOURCES, INC.

Gillig No. 1-24
C SW SE SW
SECTION 24-19S-22W
NESS COUNTY, KANSAS

RECEIVED
KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS

Operator: Mid Continent Resources, Inc.
 Well: Gillig No. 1-24
 API No.: 15-135-23,708
 Location: C SW SE SW; Sec. 24-19S-22W
 Wellsite: Farmground
 Commenced: September 27, 1992
 Completed: October 5, 1992
 Elevations: 2264 GL 2269 KB
 Total Depth: 4393 (Driller)
 Casing: Surface: 8 5/8 @ 515/300 sacks cement
 Production: 5 1/2 @ 4377/140 sacks cement
 FO tool @ 1453
 Samples: 10 ft. 3650-T.D.
 Logs: None
 Drillstem Tests: Three by Trilobite Testing
 Contractor: Emphasis Oil Operations (Rig 5)

REMARKS: Geological supervision: 3650 - T.D. Pipe strapped at 4323; 3.12 less than board-no correction. Driller's measurements are taken as correct.

<u>FORMATION TOPS</u>	<u>SAMPLES</u>	<u>LOG</u>
Anhydrite	1492	+777
Heebner	3739	-1470
Lansing	3786	-1517
Base Kansas City	4126	-1857
Pawnee	4203	-1934
Fort Scott	4287	-2018
Cherokee	4306	-2037
Mississippian Osage	4377	-2108

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SAMPLE ZONE DESCRIPTION

Driller's Measurements

LANSING-KANSAS CITY 3786 -1517

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

PAWNEE 4203 -1934

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

Ft. SCOTT 4287 -2018

Limestone: gray, crystalline to sparry, poor intercrystalline porosity, very slight show of free oil, fair fluorescence and cut fluorescence.

CHEROKEE 4306 -2037

4310-4316: Sandstone: clear to frosted, fine grained, sub-rounded to angular, fairly sorted, quartz grains, few clusters, friable, no show.

Drill Stem Test No. 1: 4273-4323 /15-30-5-0/ weak blow - died in 13 minutes during first flow. No blow during final flow.
Recovered: 3 feet of fluid
3 feet of drilling mud

IHP 2240.6

IFP 55.8-55.8

ISIP 77.4

FFP 54.7-54.7

FHP 2190.6

MISSISSIPPIAN OSAGE 4377 -2108

4377-4393: Dolomite, white to buff, granular, good intergranular porosity, good show of free oil, fair fluorescence, excellent cut fluorescence, good odor. Trace of Chert: white to buff, weathered tripolitic with excellent vuggy porosity, weathered chert with abundant brown granular dolomite infilled, oil show as above, increasing chert with depth.

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Drill Stem Test No. 2: 4357-4389 /15- lost packer seat/ weak blow building to 1.5" and lost packer seat. Tried to reset tool - no help.

Recovered: 258 feet of fluid
 10 feet of oil cut mud (5% oil, 95% mud)
 248 feet of slightly oil cut mud (2% oil)

IHP 2233.4
 IFP 57.1-57.1
 FHP 2170.2

Drill Stem Test No. 3: 4305-4393 /45-30-30-45/ weak blow building to 6.5" during initial flow; weak to fair blow building to 3" during final flow.

Recovered: 216 feet of fluid
 180 feet of gas
 92 feet of clean gassy oil
 62 feet of oil cut gassy mud (10% gas, 40% oil, 50% mud)
 62 feet of oil cut mud (10% oil, 90% mud)

IHP 2290.4
 IFP 57.0-84.6
 ICIP 1138.0
 FFP 108.2-115.1
 FCIP 1038.0
 FHP 2160.9

STRUCTURAL CORRELATION

Log Tops

	Mid Continent	Pickrell Drlg.	Pickrell Drlg.
	Gillig #1-24	#1 Gillig B	#2 Gillig B
	C SW SE SW	C SW SW	C SE SW
<u>Formation</u>	<u>24-19S-22W</u>	<u>24-19S-22W</u>	<u>24-19S-22W</u>
Anhydrite	+777	+775	+775
Lansing	-1517	-1514	-1520
Ft Scott	-2018	-2012	-2019
Mississippian Osage	-2108	-2104	-2132

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SUMMARY AND RECOMMENDATIONS

Drill Stem Test indicates probable commercial production from the Mississippian Osage. Sample examination confirms this test. Based upon this data 5 1/2" production casing was set.

Pipe was set 16 feet off bottom. Based upon available information, the following zones are recommended for testing.

1. Mississippian Osage 4372-4381 (open hole)

Measurements were taken from rotary kelly bushing (5 feet above ground level). Rotary measurements are taken as correct.

Respectfully,



Scott Corsair
Consulting Geologist

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CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name GILLIG #1-24 Test No. 1 Date 10/3/92
 Company MID CONTINENT RESOURCES INC. Zone FT SCT/CHER
 Address P.O. BOX 399 GARDEN CITY KS 67845 Elevation 2269
 Co. Rep./Geo. SCOTT CORSAIR Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
 Location: Sec. 24 Twp. 19S Rge. 22W Co. NESS State KS

Interval Tested <u>4273-4323</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>50</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>637</u>
Top Packer Depth <u>4268</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>4273</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>4323</u>	Viscosity <u>50</u> Filtrate <u>9</u>

Tool Open @ 6:55 PM Initial Blow WEAK BLOW-DIED IN 13 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 3 Flush Tool? NO

Rec. <u>3</u> Feet of <u>DRILLING MUD</u>	RECEIVED KANSAS CORPORATION COMMISSION MAR 03 1993 CONCENTRATION DIVISION WICHITA, KS
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	

BHT 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2240.6 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 55.8 PSI @ (depth) 4277 w / Clock No. 27567

(C) First Final Flow Pressure 55.8 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 77.4 PSI @ (depth) 4319 w / Clock No. 8376

(E) Second Initial Flow Pressure 54.7 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 54.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 15 Final Flow 5

(H) Final Hydrostatic Mud 2190.6 PSI Initial Shut-in 30 Final Shut-in 0

Our Representative DAN BANGLE

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name GILLIG #1-24 Test No. 2 Date 10/4/92
Company MID CONTINENT RESOURCES INC. Zone MISSISSIPPI
Address P.O. BOX 399 GARDEN CITY KS 67845 Elevation 2269
Co. Rep./Geo. SCOTT CORSAIR Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 24 Twp. 19S Rge. 22W Co. NESS State KS

Interval Tested 4357-4389 Drill Pipe Size 4.5" XH
Anchor Length 32 Wt. Pipe I.D. - 2.7 Ft. Run 637
Top Packer Depth 4352 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4357 Mud Wt. 8.9 lb/Gal.
Total Depth 4389 Viscosity 45 Filtrate 12

Tool Open @ 10:15 AM Initial Blow WEAK BLOW-BUILDING TO 1.5" -LOST PACKER SEAT
TRIED SETTING TOOL WITH MORE WEIGHT-NO HELP

Final Blow _____

Recovery - Total Feet 258 Flush Tool? NO

Rec. 10 Feet of OIL CUT MUD-5%OIL/95%MUD
Rec. 248 Feet of SLTLY OIL CUT MUD-2%OIL/98%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

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CONSERVATION DIVISION
WICHITA, KS

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 2233.4 PSI AK1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure 57.1 PSI @ (depth) 4361 w / Clock No. 27567
(C) First Final Flow Pressure 57.1 PSI AK1 Recorder No. 7437 Range 4200
(D) Initial Shut-in Pressure _____ PSI @ (depth) 4385 w / Clock No. 8376
(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure _____ PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure _____ PSI Initial Opening 15 Final Flow _____
(H) Final Hydrostatic Mud 2170.2 PSI Initial Shut-in _____ Final Shut-in _____

Our Representative DAN BANGLE

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Drill-Stem Test Data

Well Name GILLIG #1-24 Test No. 3 Date 10/4/92
 Company MID CONTINENT RESOURCES INC. Zone MISSISSIPPI
 Address P.O. BOX 399 GARDEN CITY KS 67845 Elevation 2269
 Co. Rep./Geo. SCOTT CORSAIR Cont. EMPHASIS RIG #5 Est. Ft. of Pay 6
 Location: Sec. 24 Twp. 19S Rge. 22W Co. NESS State KS

Interval Tested 4305-4393
 Anchor Length 88
 Top Packer Depth 4300
 Bottom Packer Depth 4305
 Total Depth 4393

Drill Pipe Size 4.5" XH
 Wt. Pipe I.D. - 2.7 Ft. Run 593
 Drill Collar - 2.25 Ft. Run _____
 Mud Wt. 8.9 lb/Gal.
 Viscosity 45 Filtrate 12

Tool Open @ 8:08 PM Initial Blow WEAK BLOW-BUILDING TO 6.5"
 Final Blow WEAK BLOW-BUILDING TO 3"

Recovery - Total Feet 216

Flush Tool? _____

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Rec. <u>180</u>	Feet of	<u>GAS IN PIPE</u>	CONSERVATION DIVISION WICHITA, KS
Rec. <u>92</u>	Feet of	<u>CLEAN OIL</u>	
Rec. <u>62</u>	Feet of	<u>OIL CUT GASSY MUD-10%GAS/40%OIL/50%MUD</u>	
Rec. <u>62</u>	Feet of	<u>OIL CUT MUD-10%OIL/90%MUD</u>	
Rec. _____	Feet of	_____	

BHT 112 °F Gravity _____ °API @ _____ °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 2290.4 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 57.0 PSI @ (depth) 4309 w/ Clock No. 27567
 (C) First Final Flow Pressure 84.6 PSI AK1 Recorder No. 7437 Range 4200
 (D) Initial Shut-in Pressure 1138.0 PSI @ (depth) 4389 w/ Clock No. 8376
 (E) Second Initial Flow Pressure 108.2 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 115.1 PSI @ (depth) _____ w/ Clock No. _____
 (G) Final Shut-in Pressure 1138.0 PSI Initial Opening 45 Final Flow 30
 (H) Final Hydrostatic Mud 2160.9 PSI Initial Shut-in 30 Final Shut-in 45

Our Representative DAN BANGLE

HALLIBURTON SERVICES
A Division of Halliburton Company

ORIGINAL

FORM 1908 R-11

17237

WELL NO. - FARM OR LEASE NAME 1-24 Gillig		COUNTY Ness	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 9-27-92
CHARGE TO Mud Continent Resources		OWNER Same		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS P.O. Box 399		CONTRACTOR Emphasis		LOCATION 1 New City, Ks	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
CITY, STATE, ZIP Garden City, Ks 67846		SHIPPING NO. 3580		LOCATION 2 Hays, Ks	CODE 25553
WELL TYPE 01		WELL CATEGORY 01		LOCATION 3	CODE 25525
WELL PERMIT NO.		DELIVERED TO S/BALINE, Ks.		ORDER NO.	
TYPE AND PURPOSE OF JOB 010		WELL PERMIT NO. B-132449		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 data. Payment must be made by the 30th 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 through after default at the highest lawful contract rate applicable, but never to exceed 14% 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 whose services are performed or equipment or materials are furnished.

Halliburton warrants only title in 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 case 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
					CITY	MEAS.	CITY	MEAS.		
000-117		1		MILEAGE 3580	16 mi			2.60	41.60	
001-016		1		Pump Charge	8 HR		515 FT.		680.00	
030-503		1		Pump Top Plug	1 ea		8 7/8 IN		90.00	

KANSAS CORPORATION
MAY 05 1993
CONSERVATION DIVISION
GARDEN CITY, KANSAS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **2B-132449**

2269.86

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X **Bill Owen**
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Bill Owen**
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

Don Lamm
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL
DF
FIELD OFFICE

SUB TOTAL **3076.46**
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

DISTRICT Platt, Ks.

DATE 9-27-92

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. 1-24 LEASE Gillig REC. 24 TWP. 19S RANGE _____
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 _____
CORKER: TYPE _____ SET AT _____
TOTAL DEPTH 517' MUD WEIGHT _____
DREH HOLE 12 1/4"
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	N	23#	8 7/8	18	515'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

FLUIDS TREATMENT: DATE _____ TYPE _____ MATERIALS REPAIR
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement surface casing with 300 SKS 100/40 P&Z, A MISSION
2% gel, 3% C.C.
MAR 03 1993

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:

- 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.
- Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof
- 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 unreasonableness of any special, consequential, or punitive damages furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether 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.

That because of the uncertainty of various 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 furnished by it. It is the best judgment of Halliburton in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for said Customer shall indemnify Halliburton against any damages arising from the use of such information.

Halliburton warrants only as 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 event shall be limited to the replacement of such products, supplies or materials or the cost of repair, unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall be 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 site, unless such loss or damage is caused by the sole negligence of Halliburton.

1) That Customer shall be responsible 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 be responsible for the cost of replacement unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall be 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 site, unless such loss or damage is caused by the sole negligence of Halliburton.

2) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act to the extent permitted by law.

3) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

4) 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 _____ DATE 9-27-92 TIME 10:30 A.M.

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.

SUMMARY

WELL DATA

ORIGINAL

WELL DATA

WELL NO. 24 TWP. 19S RANG. 19S COUNTY MO STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

VITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

REBERT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

LOG DATA TOTAL DEPTH 517'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	23	8 5/8	RB	515'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-27</u>	DATE <u>9-27</u>	DATE <u>9-27</u>	DATE <u>9-27</u>
TIME <u>10:30</u>	TIME <u>16:30</u>	TIME <u>17:30</u>	TIME <u>19:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
LOAD COLLAR		
LOAD SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>2 cup</u>	<u>1</u>	<u>Howco</u>
HEAD <u>8 5/8</u>	<u>1</u>	
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. LEMMAN</u>	<u>3580</u>	<u>MO</u>
<u>B. CRACKHART</u>	<u>Combo</u>	<u>MO</u>
<u>D. DUBRAZ</u>	<u>7604</u>	<u>MO</u>
	<u>B-71E</u>	<u>MO</u>

MATERIALS

SEAL FLUID _____ DENSITY _____ LB/GAL-API

DISPL FLUID _____ DENSITY _____ LB/GAL-API

ROP. TYPE _____ SIZE _____ LB.

ROP. TYPE _____ SIZE _____ LB.

CID TYPE _____ GAL. _____ %

CID TYPE _____ GAL. _____ %

CID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN.

WEAGENT TYPE _____ GAL. _____ IN.

FLUID LOSS ADD. TYPE _____ GAL-LB. _____ IN.

GELLING AGENT TYPE _____ GAL-LB. _____ IN.

RIC. RED. AGENT TYPE _____ GAL-LB. _____ IN.

WREAKER TYPE _____ GAL-LB. _____ IN.

LOCKING AGENT TYPE _____ GAL-LB. _____ IN.

CRIFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Conserv

DESCRIPTION OF JOB sewer service casing to ch. as directed

JOB DONE THRU TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE Bill Owen

HALLIBURTON OPERATOR Don Lemman COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LB./GAL.
	<u>300</u>	<u>60/40 P07</u>	<u>A</u>	<u>B</u>	<u>2% gel, 3% C.C.</u>	<u>1.28</u>	<u>14.36</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. CEMENT LEFT IN PIPE _____ OVERALL _____

TEST _____ REASON _____

SUMMARY

VOLUMES

PRESLUG: BBL-GAL _____ TYPE _____

LOAD & BMDN: BBL-GAL _____

TREATMENT: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 68 1/2 KANSAS CUR

TOTAL VOLUME: BBL-GAL _____

REMARKS MAR 05, 1993

CONSERVATION DIVISION
WICHITA KS

CUSTOMER: A.D. Co. Fine & Products, Hays, MO. DATE: 7-27-92

JOB LOG

CLIENT Mid Continent Resources PAGE NO. 1

JOB TYPE Cement Surface DATE 9-22-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1630							On location ORIGINAL
								Set up P.T.
	1730							Start 8 7/8" casing
	1830							Casing on bottom
	1835							Rig cir casing
	1845							Fin cir - Hook up Hosen
	1850	6				100		Start mixing cement
	1902		168 1/2			150		Finish cement
								Release Jump Top Plug
	1903	5				100		Start Dial.
	1908		31 1/2			200		Fin Dial. - (20 BBL cement circulated)
	1909					100		Close in @ Head
								Wash up & Break up.
								<i>Handwritten:</i> D. Lemman 71718 B. Cassulude 89547 D. Dobratz 80022 # 3580 - P # 4101 - P

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 KANSAS CORPORATION COMMISSION
 MAR 03 1993
 CONSERVATION DIVISION
 WICHITA, KS



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

FOR INVOICE AND TICKET NO. 246092

ORIGINAL

DATE 10-5-92	CUSTOMER ORDER NO.	WELL NO. AND FARM #5 Gillig	COUNTY Ness	STATE Kansas
CHARGE TO Mid Continent Resources		OWNER Same:	CONTRACTOR Emphisis Drlg, #5	No. B 132467
MAILING ADDRESS		DELIVERED FROM Hays, Ks.	LOCATION CODE 25525	PREPARED BY Becker
CITY & STATE		DELIVERED TO S/W Bazine, Ks.	TRUCK NO. 4604	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.		
				140Cu.Ft.Pozmix Cmt.@2% Gel						
504-308	516.00261	2	B	Standard Cement	84				6.06	509 04
506-105	516.00286	2	B	Pozmix 'A'	4144	lb			.048	198 91
506-121	516.00259	2	B	2sk Halliburton Gel @2%						n/c
509-968	516.00158	2	B	Salt Blended	650	lb			.10	65 00
507-210	890.50071	2	B	Flocele Blended	35	lb			1.30	45 50

THIS IS NOT AN INVOICE

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MAR 03 1993
CONSERVATION DIVISION
MICHITA, KS

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES		
			SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET		
500-207		2B	SERVICE CHARGE		152 CU. FEET	1.15	174 80
500-306		2B	Mileage Charge	12,925 TOTAL WEIGHT	17 LOADED MILES	109.863 TON MILES	.80 87 89
No. B 132467						CARRY FORWARD TO INVOICE	SUB-TOTAL
							1,081 14

CUSTOMER

DISTRICT Pratt, Ks. DATE 10-5-92

O: 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. 1-24 LEASE Gillis SEC. 24 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 _____
ACKER: TYPE FD Toolset AT 1453'
TOTAL DEPTH 1393' MUD WEIGHT _____
CORE 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	4	14 [#]	5 1/2	KB	1322'	
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
Remove prod. casing as directed with 140 strokes of 10% salt, 1/4" / 1/2" flocc.

MAR 03 1993

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
- 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 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.
 - 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:
 - 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 "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 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 result 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 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 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.
- 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 proppant supplies or materials, nor the results of any treatment or service, nor the accuracy of any third 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.
 - 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 case 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, punitive or consequential damages.
 - 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 maniac 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 or returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - 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.

CONCENTRATION DIVISION
WICHITA, KS

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 10-5-92

TIME 0700 A.M. P.M.

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.

CUSTOMER

WELL DATA

FIELD _____ SEC. 24 TWP. 19 RNG. 22 COUNTY: Now 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 _____ F.O. Tool SET AT 1153'
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 VISC. DATA _____ TOTAL DEPTH 1293'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	11	17"	5 1/2	TR	7377'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-5	DATE 10-5	DATE 10-5	DATE 10-5
TIME	TIME 0700	TIME 0900	TIME 1215

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
LOAD COLLAR B. O. 11-	1	Homer
LOAD SHOE F. O. 11-	1	
GUIDE SHOE		
CENTRALIZERS S-1	6	
BOTTOM PLUG		
TOP PLUG 1 inch Down	1	
HEAD 5 1/2	1	
PACKER Shoe	1	
OTHER Cement Buckets	2	

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
D. Thompson	3580	
R. Conner	3580	Now City, K.
D. Debra	11-01	Now City, K.
	B. TRK	Now City, K.

MATERIALS

HEAT FLUID _____ DENSITY _____ LB./GAL. API
 DISPL. FLUID _____ DENSITY _____ LB./GAL. API
 PUMP TYPE _____ SIZE _____ LB.
 PUMP TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 SURFACTANT TYPE _____ GAL. IN
 WELTING AGENT TYPE _____ GAL. IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. IN
 WELTING AGENT TYPE _____ GAL.-LB. IN
 CRIC. RED. AGENT TYPE _____ GAL.-LB. IN
 BREAKER TYPE _____ GAL.-LB. IN
 LOCKING AGENT TYPE _____ GAL.-LB.
 SPACER BALLS TYPE _____ QTY.
 OTHER _____
 OTHER _____

DEPARTMENT Cement
 DESCRIPTION OF JOB Cement pack casing at
 diameter

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	MIXED LBS./GAL.
	140	10/10 P2	A	B	2% gel, 10% salt 1/4" beads	17.5

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 MAR 03 1963

PRESSURES IN PSI

SUMMARY

CIRCULATING _____ DISPLACEMENT _____ PRES. (BBL-GAL) 12 TYPE Mud Flush
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL. (BBL-GAL) 106.3
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY (BBL-GAL) 32 1/2
 TOTAL VOLUME: BBL-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____
 REASON 15 1/2 _____

REMARKS

CUSTOMER: [Vertical text on right edge]

HALLIBURTON SERVICES
JOB LOG

WELL NO. 1-24 LEASE Gilling TICKET NO. 246092

CUSTOMER Mid Continent Resources PAGE NO. 1

FORM 2013 R-2

JOB TYPE Cement Lining DATE 10-5-92

ORIGINAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							On location - Rig laying down D.P.
	0735							Finish laying down D.P.
	0910							Start 5 1/2" 14 1/4" casing in hole Packer shoe on bottom with fill-up and L-tube down to 1st collar Cement on collars 2-1-9-90 Cement Basket on Jt. 91 F.O. Cement on Jt. 92 @ 1153' Drop fill-up Assy. ball 10.5ft off Bottom Casing on bottom - 4392 - Set casing @ 4377
	1125						800	Rig cir. casing - ball thru @ 800'
	1135							Fin cir. - Drop PKR. shoe ball - Rig pump
	1150						1700	until shoe set @ 1200' Hook up to house
	1210	5	12				250	Start 500 gal Mud flush
	1214	5					300	Start 140 SK: 60/40 Puz, 2% gel, 10% sac 1/4" 1 1/2" flocc
	1220		32 1/2				150	Fin cement - Wash out pump & lines
	1224	8					150	Release 3W latch down plug - Start Disp
							250	Press slowly in
		5					650	Slow rate to land Plug.
	1237		106 1/2				700 1000	Plug down - (Csg hold press.
	1239						0	Release press - latch down plug hold Wash up & Reel up.
	1300							Jobs Complete
								<i>Mark Hall</i> D. Lemman 71215 B. Crosswhite 89543 D. Debratz 80022 # 3580 - P... # 1469 KANSAS CORPORATION COMMISSION MAR 03 1993 Long Street CONSERVATION DIVISION STATE OF KANSAS

CUSTOMER

PAGE 1 OF **2** PAGES

HALLIBURTON SERVICES
A Division of Halliburton Company

ORIGINAL No. **310022-9**

2570 Tools & Cont'd Bn.
FORM 1908 H-11 *17237*

WELL NO.—FARM OR LEASE NAME <i>#1-24 Gillig</i>	COUNTY <i>Ness</i>	STATE <i>Ks</i>	CITY / OFFSHORE LOCATION	DATE <i>12-28-92</i>
CHARGE TO <i>M&D Continent Resources</i>	OWNER <i>Same</i>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		WITHDRAWN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS <i>P.O. Box 399</i>	CONTRACTOR <i>Plains Well Service</i>	LOCATION <i>1 Ness City, Ks</i>	CODE <i>25553</i>	
CITY, STATE, ZIP <i>Garden City, Ks 67846</i>	SHIPPED VIA <i>Ness City, Ks</i>	FREIGHT CHARGES PPD <input type="checkbox"/> COLLECT <input type="checkbox"/>	LOCATION <i>2 Hays, Ks</i>	CODE <i>25525</i>
WELL TYPE <i>01</i>	WELL CATEGORY <i>01</i>	WELL PERMIT NO. <i>B-132610</i>	DELIVERED TO <i>Soc Range, Ks</i>	LOCATION <i>3</i>
TYPE AND PURPOSE OF JOB <i>195-</i>		ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the terms 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 (interest at the rate of 18% per annum) on the amount of the invoice not paid, 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 this to the product, 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 case of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any product, supply or material is expressly limited to the replacement of such product, supply or material on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such item, 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		
<i>100-715</i>		<i>1</i>		<i>MILEAGE 41251</i>	<i>17</i>	<i>mi</i>			<i>145</i>	<i>2465</i>
<i>116-437</i>		<i>1</i>		<i>F.O. Positioners</i>	<i>1</i>	<i>pc</i>	<i>54</i>		<i>1852</i>	<i>18500</i>
<i>116-816</i>		<i>1</i>		<i>Operators Service Charge</i>	<i>1</i>	<i>ea</i>			<i>3550</i>	<i>35500</i>
<i>500-117</i>		<i>1</i>		<i>Mileage 3580</i>	<i>17</i>	<i>mi</i>			<i>235</i>	<i>4075</i>
<i>209-134</i>	<i>009-009</i>	<i>1</i>		<i>Pump Service</i>	<i>1450</i>	<i>ft</i>			<i>990</i>	<i>99000</i>
<i>518-222</i>		<i>1</i>		<i>Frac Sand 29/40</i>	<i>2</i>	<i>5kg</i>			<i>860</i>	<i>1720</i>

KANSAS CORPORATION COMMISSION
MAR 0 1993
CONSERVATION DIVISION
WICHITA, KS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. *2B-132610*

IS JOB SATISFACTORILY COMPLETED? _____

IS OPERATION OF EQUIPMENT SATISFACTORY? _____

IS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

CUSTOMER OR HIS AGENT (PLEASE PRINT)
John L. ...

CUSTOMER OR HIS AGENT (SIGNATURE)
[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.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL
[Signature]

FIELD OFFICE

2351 111
3970 85

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

HALLIBURTON SERVICES

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 310022

11008 H-7 A Division of Halliburton Company

RICT Pratt, ks

DATE 12-28-92

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

L. NO. #1-24 LEASE Gilling SEC. 24 TWP. 19 RANGE 22
D. COUNTY Ness STATE Ks OWNED BY same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION TYPE
FORMATION KNESSE FROM TO
SER: TYPE F.O. SET AT 1450
U. DEPTH RBP=4015 MUD WEIGHT
E HOLE
AL PROD: OIL BPD, H₂O BPD, GAS MCF
GENT PROD: OIL BPD, H₂O BPD, GAS MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>u</u>	<u>14</u>	<u>5 1/2</u>	<u>61</u>	<u>4350</u>	
LINER						
TUBING	<u>u</u>		<u>2 7/8</u>	<u>6L</u>	<u>1450</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

RECEIVED
KANSAS CORPORATION
MAR 03 1993
SURFACE

VIOLUS TREATMENT: DATE TYPE MATERIALS
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRALIC HORSEPOWER ORDERED
Run in F.O. Fingers of 1" top stage of well w/ 225 lbs H₂O of 1/2" Frack & 50 lb: 60/10 no pl 3750

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

- consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- 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.
 - 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:
 - 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.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - 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 procedure, 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.
 - 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 expert 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.
 - 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 or 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.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost or 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 to 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 prior to delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - 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 Carson CUSTOMER

DATE 12-28-92

TIME 12:30 A.M. (P.M.)

certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the location of goods and/or with respect to services furnished under this contract.

WELL DATA

SEC 24 TWP 19 RNC 22 COUNTY New STATE Ks

WELL NAME _____ TYPE _____

WELL THICKNESS _____ FROM _____ TO _____

PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ WCFD _____

ENT. PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ WCFD _____

WELL DATE _____ MUD TYPE _____ MUD WT. _____

DR TYPE F.O. SET AT 1450

ON HOLE TEMP. _____ PRESSURE _____

DATE _____ TOTAL DEPTH 1450

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
COLLAR		
SHOE		
VALVES		
DM PLUG		
LOG		
DR <u>F.O. Posttension</u> <u>5/2</u> <u>1</u> <u>thru</u>		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-28-92</u>	DATE <u>12-28-92</u>	DATE <u>12-20-92</u>	DATE <u>12-29-92</u>
TIME <u>10:30</u>	TIME <u>12:30</u>	TIME <u>13:00</u>	TIME <u>14:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Fisher</u>	<u>41281</u>	<u>New City, Ks</u>
<u>D. Lema</u>	<u>5580</u>	<u>New City, Ks</u>
<u>B. Conroy</u>	<u>PTAR</u>	<u>New City, Ks</u>
<u>D. Dabuck</u>	<u>Bulk</u>	<u>Hays, Ks</u>

MATERIALS

FLUID _____ DENSITY _____ LB/GAL/API

FLUID _____ DENSITY _____ LB/GAL/API

TYPE _____ SIZE _____ LB _____

TYPE _____ SIZE _____ LB _____

TYPE _____ GAL _____ % _____

TYPE _____ GAL _____ % _____

TYPE _____ GAL _____ % _____

ACTANT TYPE _____ GAL _____ IN _____

AGENT TYPE _____ GAL _____ IN _____

LOSS AGENT TYPE _____ GAL-LB _____ IN _____

ING AGENT TYPE _____ GAL-LB _____ IN _____

RED. AGENT TYPE _____ GAL-LB _____ IN _____

NER TYPE _____ GAL-LB _____ IN _____

KING AGENT TYPE _____ GAL-LB _____

PAC BALLS TYPE _____ QTY. _____

DEPARTMENT Tools & Cont

DESCRIPTION OF JOB Run F.O. complet

JOB DONE THRU: TUBING CASING ANNULUS TBS/ANN.

CUSTOMER REPRESENTATIVE X Scott Brown

HALLIBURTON OPERATOR Scott Fisher COPIES REQUESTED _____

CEMENT DATA

AGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD (CU FT/SK)	MIXED (LB/GAL)
<u>1</u>	<u>225</u>	<u>H2C</u>	<u>Post-tension</u>	<u>B</u>	<u>41 flocc</u>	<u>1.67</u>	<u>127</u>
	<u>50</u>	<u>60/40</u>	<u>Post-tension</u>	<u>B</u>	<u>no flocc 32.00</u>	<u>1.67</u>	<u>151</u>

PRESSURES IN PSI

SUMMARY

PLATING _____ DISPLACEMENT _____ PRECELSUM: BBL-GAL _____

DOWN _____ MAXIMUM _____ LOAD & BRON: BBL-GAL _____ PAD: BBL-GAL _____

AGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 8

MIN INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL 83.06

USED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL _____

AVERAGE RATES IN BPM _____

DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

REASON _____

REMARKS _____

CUSTOMER: MID Cont. Cont. Resources Lease
 GILL
 #1-214
 DATE: 12-29-92

HALLIBURTON SERVICES
JOB LOG

FEB 08 '93 11:17PM HALLIBURTON SERVICES HAYS KS

WELL NO. 121 LEASE Willig TICKET NO. 310 P-52 2

CUSTOMER MED Continant Resources PAGE NO. # 2

JOB TYPE Run F.O. Engine to cut top string DATE 12-28-92

12013 R-2

ART ID.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	10:30							Called out ORIGINAL
	12:00							On Location / Rig assembly
	13:40							Start tools on hole
	14:00							Set comp RBP at 400psi
	16:05							Pull F.O. Engine to 250ft - 80ft
	17:20							Shut down for night
	08:00							On Location 12-29-92
	08:15							Set up Trk
	08:40					1200	1200	Test RBP to 1200PSI
	08:45					1200	1200	Holding
	08:46							Release pressure
	09:50	1	8					Spot 2 sks of sand
	09:05							Pull 4 ft & open F.O. Tool
	09:15	3	3			400	400	Take injection rate 300ml/sec
	09:19	4						Started mixing cut 225 lbs HLC
								& 50 lbs 60/100 per
	09:37	4	74					Cost started circ
								50 lbs 60/100 to mix up
	09:40	4	83			500	200	Done mixing cut
	09:42							Start ed displ
	09:46	2	8					Done w/ displ
	09:48							Closed F.O. Tool
						1500	1000	Pressure up to 1000 PSI
	09:50							F.O. closed - hand taking off pressure
	10:00							Reversed out
	10:05							Done reversing out
	10:00	2	10					Pulled F.O. Engine out of hole
	10:30							Start back in w/ over shot
	11:30							Trk on bottom
	13:15							Cir sand of RBP - (lose oil)
								Fin cir - Backup P.T.
	19:30							Job Complete

KANSAS CORPORATION COMMISSION
 MAR 03 1993
 CONSERVATION DIVISION
 WICHITA, KS

T. Fuels 81493
 D. Lammann 71218
 R. Caswell 88543
 D. Debrats 80022

2nd RBP
 2 stage
 cut