

ORIGINAL

SIDE ONE

CONFIDENTIAL RELEASED APR 02 1991

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: Midl Continent Resources, Inc Address: P.O. Box 399

City/State/Zip Garden City, Ks 67846 Purchaser: Clear Creek, Inc.

Operator Contact Person: Cecil O'Brate Phone 316, 275-9231

Contractor: Name: Emphasis Oil Operations License: 8241

Wellsite Geologist: Scott Corsair RECEIVED STATE CORPORATION COMMISSION

Designate Type of Completion X New Well Re-Entry Workover X Oil SWD Temp. Observation Inj Delayed Completion Dry Other (Core, Water Supply, etc.)

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

Drilling Method: X Mud Rotary Air Rotary Cable 11-29-89 12-7-89 I-2-90 Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,399-0000 FROM CONFIDENTIAL

County Ness: 130 N. SW NW Sec. 25 Twp. 19S Rge. 22 X East West 3450 Ft. North from Southeast Corner of Section 4620 Ft. West from Southeast Corner of Section (NOTE: Locate well in section plat below.)

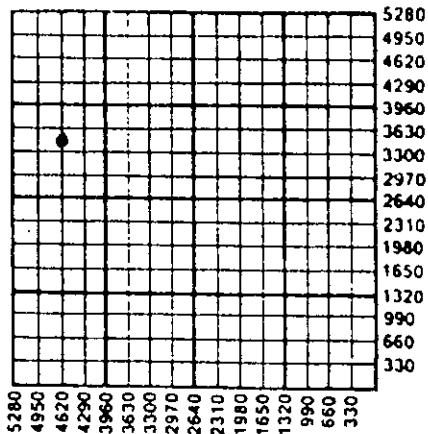
Lease Name Borger Well # 1

Field Name Schaben

Producing Formation Mississippian Oage

Elevation: Ground 2272.1' KB 2277.1'

Total Depth 4470' PBTD 4431'



Amount of Surface Pipe Set and Cemented at 270.63 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from 1476

feet depth to surface w/ 250 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.

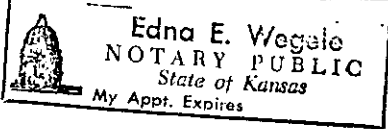
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Scott Corsair Title Geologist Date 3-27-90

Subscribed and sworn to before me this 27th day of March 1990.

Notary Public Edna E. Wegale Date Commission Expires Apr 22, 1991

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



PI

CONFIDENTIAL

JAN 1990

SIDE TWO

Operator Name Midl Continent Resources, Inc

Lease Name Borger

Well # 1

Sec. 25 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.)

Formation Description  
 Log  Sample  
Name Top Bottom  
Anhydrite 1499  
Heebner 3738  
Lansing 3785  
BKC 4128  
Pawnee 4210  
Ft. Scott 4288  
Cherokee 4309  
Mississippian  
Waraw 4364  
Mississippian Osage 4377

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APR 02 1991

FROM CONFIDENTIAL

CASING RECORD

New  Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24	270'	60/40 Poz	150	2% Gel 10% Salt
Production	7 7/8"	5 1/2"	14	4470	60/40 Poz	135	2% Gel 10% Salt 1/2% CFR-3 1/4# Flocele

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

4	4380-4388.	250 Gal MOD 202	4380

TUBING RECORD

Size 2 3/8"

Set At 4360"

Packer At

Liner Run

Yes  No

Date of First Production 1-2-90

Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 15 Bbls. Gas NA Mcf Water 0 Bbls. Gas-Oil Ratio 39 Gravity

Disposition of Gas:

Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval

4380-4388.

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MID CONTINENT RESOURCES, INC.  
BORGER #1  
DRILL STEM TEST RESULTS

APR 02 1991

FROM CONFIDENTIAL.

Drill Stem Test No. 1: 4271-4309/ 30-45-30-60/ weak blow building to 4" during initial flow; weak 1/4" blow during second flow; rec. 62' of Drilling Mud with a Show of Oil.

IHP 2071  
IFP 18-40  
ICIP 713  
FFP 47-47  
FCIP 120  
FHP 2071

Drill Stem Test No. 2: 4358-4385/30-30-15-0/ weak blow during IFP; recovered 40 ft. Slightly Oil Cut Mud.

IHP 2119  
IFP 29-21  
ICIP 1147  
FFP 37-31  
FHP 2106

Drill Stem Test No. 3: 4376-4393/30-30-30-45/ weak blow building to 7" during IFP; 1/2" to 7.5" blow during FFP; rec. 258' total fluid: 62' Clean Gassy Oil; 62' Mud Cut Oil; 84' Oil Cut Mud; 40' Watery Oil Cut Mud.

IHF 2124  
IFP 44-70  
ICIP 1256  
FFP 89-111  
FCIP 1266  
FHP 2109

RECEIVED  
STATE CORPORATION COMMISSION

MAR 30 1990

CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

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EMPHASIS OIL OPERATIONS

P. O. BOX 506  
RUSSELL, KS 67665

RELEASED

APR 02 1991

DRILLERS LOG

FROM CONFIDENTIAL

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

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Borger

WELL #1

LOCATION: Approx. 150' N of SW NW  
Section 25-19S-22W  
Ness County, Kansas

LOGGERS TOTAL DEPTH: 4468'

ROTARY TOTAL DEPTH: 4470'

COMMENCED: 11/29/89

CASING: 8-5/8" @ 270.63' w/150 sks cement  
5-1/2" @ 4467' w/135 sks cement

ELEVATION: 2277' K.B.

COMPLETED: 12/7/89

STATUS: Oil Well

RECEIVED  
STATE CORPORATION COMMISSION

MAR 30 1990

CONSERVATION DIVISION  
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Shale	272'	Lansing-Kansas City	3788'
Dakota Sand	560'	Pawnee	4211'
Red Bed	720'	Cherokee	4312'
Cedar Hills	943'	Mississippi	4367'
Red Bed	1175'	Mississippi-Osage	4380'
Anhydrite	1488'	R.T.D.	4470'
Heebner	3739'		

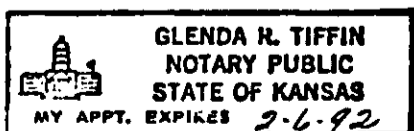
STATE OF KANSAS )  
                                  ) 'ss  
COUNTY OF RUSSELL)

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

Subscribed and sworn to before me on December 8, 1989.

My commission expires: February 6, 1992.



  
\_\_\_\_\_  
Glenda R. Tiffin, Notary Public

A Division of Halliburton Company

FORM 1906 R-11

25% cut + Bm 25% FC 17237

WELL NO. - FARM OR LEASE NAME #1 <b>Borger</b>		COUNTY <b>Ness</b>	STATE <b>Ks.</b>	CITY / OFFSHORE LOCATION	DATE <b>12-7-89</b>
CHARGE TO <b>MID Continent Resources</b>		OWNER <b>Same</b>	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 <b>P.O. Box 399</b>		CONTRACTOR <b>Emphasis Rig #17</b>	LOCATION <b>1 Ness City, Ks</b>		CODE <b>50353</b>
CITY, STATE, ZIP <b>Garden City, Ks 67846</b>		SHIPPED BY <b>51145</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <b>2 Hays, Ks</b>	CODE <b>50325</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO. <b>B-847924</b>	DELIVERED TO <b>Location</b>	LOCATION <b>3</b>	CODE
SCOPE AND PURPOSE OF JOB <b>035</b>		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			
00-117		1		MILEAGE TRUCK # 51145	18	mil.			230	39	60
01-016		1		Pump Service	4467	Ft				1,100	00
12 A	825.205	1		Guide Shoe	1	ea	5 1/8	in		140	00
24 A	815.19251	1		Insert Float Valve	1	ea				83	00
27	815.19311	1		Auto. Fillup Assy.	1	ea				30	00
40	800.92022	1		S-4 Centralizer	5	ea			4400	220	00
20	800.8383	1		Cmt. Basket	1	ea				90	00
030-016		1		S-W Top Plug	1	ea				46	00
RELEASED											
RECEIVED STATE COMMISSION MAR 30 1990 CONSERVATION DIVISION Wichita, Kansas										APR 02 1991	
FROM CONFIDENTIAL											

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-847924**

**1,164 86**

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
 WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_  
**DEAN LUES**  
 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.

**Roger B. Foglietta**  
 HALLIBURTON OPERATOR

SUB TOTAL

**2913 46**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

BULK MATERIALS DELIVERY

AND

TICKET CONTINUATION

ORIGINAL  
CONFIDENTIAL

FOR INVOICE AND  
TICKET NO.

812314

TON SERVICES  
Division of Halliburton Company

CUSTOMER ORDER NO. 12-7-89		WELL NO. AND FARM #1 Borger		COUNTY MXXKNH Ness		STATE Kansas	
CHARGE TO Mid Continent Resources		OWNER Same:		CONTRACTOR		No. B 847924	
MAILING ADDRESS PO Box 399		DELIVERED FROM Hays, Ks.		LOCATION CODE 50325		PREPARED BY Becker	
CITY & STATE C... ..		DELIVERED TO S Bazine, ks		TRUCK NO. 0530		RECEIVED BY D... ..	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
				135Cu.Ft.PozmixCmt. @2% Gel						
504-308	516.00261	1B		Standard Cement	81				5.45	441 45
506-105	516.00286	1B		Pozmix 'A'	54				2.88	155 50
506-121	516.00259	1B		2sk Halliburton Gel @2%						n/c
509-968	516.00315	1B		Salt Blended	647	lb			.077	47 23
509-986	516.00158	1B		Salt on side	600	lb			.077	43 80
507-153	516.00161	1B		CER-3 Blended	57	lb			3.80	210 60
507-210	890.50071	1B		Flocele Blended	54	lb			1.21	44 44
RELEASED										
APR 0 2 1991										
Received FROM CONFIDENTIAL STATE CORPORATION COMMISSION										
MAR 3 0 1990										
			Returned Mileage Charge	TOTAL WEIGHT	CONSERVATION DIVISION Wichita, Kansas LOADED MILES		TON MILES			
			SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		1B	SERVICE CHARGE				CU. FEET	144	.95	136 80
500-306		1B	Mileage Charge	13,148	AL WEIGHT	LOADED MILES	TON MILES	118,332	.70	82 32
No. B 847924		CARRY FORWARD TO INVOICE					SUB-TOTAL		1,164 80	

WELL NO. 1 LEASE Bogger COUNTY Miss STATE Ks.

CONFIDENTIAL

DATE 12-7-89

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 Bogger SEC. 25 TWP. 17S RANGE 21W  
FIELD \_\_\_\_\_ COUNTY Miss STATE Ks. OWNED BY Seale

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH 4470 MUD WEIGHT \_\_\_\_\_  
CORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>14</u>	<u>5 1/2</u>	<u>KP</u>	<u>4467</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  
Cont. 5 1/2" King Series with 135 sp. 60/40 puz  
1 3/4 CR-3, 1/2 Fluor. / 1/2  
20 gal Pre Flush

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APR 02 1991

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

- 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 in payment of Customer's account by the first 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 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.
  - 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.
  - 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.
  - 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.
  - 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 modifications are 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 Deane Jones CUSTOMER

DATE 12-7-89

WELL DATA

SEC. *25* TWP. *19S* RNG. *22W* COUNTY *Ness* STATE *Ks.*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 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. \_\_\_\_\_  
 CRACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 DISC. DATA \_\_\_\_\_ TOTAL DEPTH *4470*

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
<i>N</i>	<i>14</i>	<i>5 1/2</i>	<i>KB</i>	<i>4467</i>	

ORIGINAL  
CONFIDENTIAL

JOB DATA

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<i>10-7-89</i>	<i>12-7-89</i>	<i>12-7-89</i>	<i>12-17-89</i>
TIME <i>0400</i>	TIME <i>0530</i>	TIME <i>1200</i>	TIME <i>1400</i>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<i>INSERT FLUIT 5 1/2</i>	<i>1</i>	<i>HOWCO</i>
<i>SHOE</i>		
<i>REG 5 1/2</i>	<i>1</i>	<i>HOWCO</i>
<i>5 1/2</i>	<i>5</i>	<i>HOWCO</i>
<i>Cmt. Basket 5 1/2</i>	<i>1</i>	<i>HOWCO</i>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>R. Legleiter</i>	<i>Coms. 51145</i>	<i>Ness City, Ks</i>
<i>K. Carter</i>	<i>Bulk</i>	<i>Hays, Ks</i>
<i>A. Cable</i>	<i>0530</i>	

MATERIALS

REAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-°API \_\_\_\_\_  
 SPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-°API \_\_\_\_\_  
 POP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB \_\_\_\_\_  
 POP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB \_\_\_\_\_  
 CID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 CID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 CID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ % \_\_\_\_\_  
 URFACANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_  
 E AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN \_\_\_\_\_  
 LUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_  
 FLLING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_  
 RIC. RED. AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_  
 REAKER TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN \_\_\_\_\_  
 LOCKING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_  
 ERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

RELEASED

ADD 0 2 1001

FROM CONFIDENTIAL

DEPARTMENT *Cmt.*

DESCRIPTION OF JOB *Cmt. 5 1/2" Long String*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE *Dean Ives*

HALLIBURTON OPERATOR *Roger B. Legleiter* COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<i>135</i>	<i>60-40 Poz</i>		<i>B</i>	<i>2% Gel, 10% Salt, 1/8" CFR-3, 4" Plug</i>	<i>1.30</i>	<i>14.54</i>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET *24'* REASON *Shoe Joint*

SUMMARY

VOLUMES *20* TYPE *Salt*

PRESLUSH: BBL-GAL \_\_\_\_\_  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL *108.2*

CEMENT SLURRY: BBL-GAL *31.2*

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

REMARKS *SEE CHART + JCS Log*  
*Thank You*  
*Roger*

CUSTOMER: *Mid Continent Resources Lease*  
 BOUYER: *Bouyer*  
 WELL NO: *#1*  
 JOB TYPE: *Long String*  
 DATE: *10-7-89*

STATE CONSERVATION COMMISSION  
 MAR 30 1990  
 CONSERVATION DIVISION  
 WASHINGTON, MISSOURI



**LOG**

WELL NO. #1 LEASE Borger TICKET NO. 8118 314  
 CUSTOMER Mid Continent Resources PAGE NO. 1  
 JOB TYPE Long String DATE 12-7-89

13 R-2

PORT NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							Called out <b>CONFIDENTIAL</b>
	0530							On loc. Rig laying down D.P.
	0930							Start 5 1/2" 14# Casing in hole
								Guide Shoe + Insert Float Valve on #1 jt.
								Cent. on #1, #4, #7, #89, #93
								Cement Basket on #90
	1200							Drop Ball
	1210							Break Circulation Rig pump
	1240	7	20					Pump 20 <sup>551</sup> salt Flush
	1245	7	32					MZI 135 <sup>583</sup> Cent.
	1250							Finished mixing wash pump + line
								Release Plug
	1310						1,200	Plug Down 1,200 pse
	1315							Release press. Float Held
								Plug Rest hole + Mousse Hole
								Wash + Rack up truck
	1400							Job Complete

ORIGINAL

RELEASED

APR 02 1991

Thank you  
Roy

FROM CONFIDENTIAL

STATE OPERATIONS DIVISION

MAR 30 1990

CONSERVATION DIVISION  
Wichita, Kansas

R. Leyleiter 80719  
 K. Carter 00589  
 A. Gable 88686

FORM 1906 R-11

17237  
25% cost + Bim

A Division of Halliburton Company

WELL NO. - FARM OR LEASE NAME #1 Berger		COUNTY Ness	STATE Ks.	CITY / OFFSHORE LOCATION		DATE 12-13-89
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 PO. Box 399		CONTRACTOR None		LOCATION 1 Ness City, Ks.		CODE 50353
CITY, STATE, ZIP Garden City, Ks. 67846		SHIPPED VIA 3580		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 Hays, Ks.
WELL TYPE 01		WELL PERMIT NO. B-847935		DELIVERED TO Location		CODE 50375
WELL CATEGORY 02		ORDER NO.		REFERRAL LOCATION		CODE
TYPE AND PURPOSE OF JOB 095						

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 Truck # 3580	18	mil.			220	39 60
009-134	009-019	1		Pump Service	1476	F+			865 <sup>54</sup>	885 84
030-016		1		5-w Top Plug	1	ea.	5 1/2	in.		46 00
RELEASED										
APR 02 1990										
FROM CONFIDENTIAL										
RELEASED										
STATE CORPORATION COMMISSION										
MAR 30 1990										
CONSERVATION DIVISION Wichita, Kansas										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-847935

1,846 21

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X DEAN Ives  
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.

Roy B. Spletter  
HALLIBURTON OPERATOR

SUR TOTAL

2967 35

APPLICABLE TAXES WILL BE ADDED ON INVOICE

HALLIBURTON

DA.



ION SERVICES  
1201 Oklahoma 75201

Division of Halliburton Company

BULK MATERIALS DELIVERY  
AND  
TICKET CONTINUATION

CONFIDENTIAL

FOR INVOICE AND  
TICKET NO. 20111

ORIGINAL

CUSTOMER ORDER NO. 12-23-89	WELL NO. AND FARM Borger #1	COUNTY Ness	STATE Kansas
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CHARGE TO Mid Continent Resources	OWNER Same	CONTRACTOR No. B 847935
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MAILING ADDRESS P.O. Box 399	DELIVERED FROM Hays, Kansas	LOCATION CODE 50325	PREPARED BY Kuhn
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CITY & STATE Ocala, Fla.	DELIVERED TO S/W Dazine, Ks	TRUCK NO. 51252	RECEIVED BY R. R. 1/87
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PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
		L	D		QTY.	MEAS.	QTY.	MEAS.		
504-118		2	B	Standard Cement	250				4.92	1,230 00
<del>504-208</del>	<del>516.00261</del>			163 Reg Port						
<del>506-105</del>	<del>516.00286</del>			87 Pozmix 'A'						
<del>507-210</del>	<del>890.50071</del>			13 Haliburton Gel						
				35 Cu. Ft. Pozmix Cement No. Gel						
504-308	516.00261	2	B	Standard Cement	21				5.47	114 45
506-105	516.00286	2	B	Pozmix 'A'	14				2.88	40 20
507-210	890.50071	2	B	Flocele Blended	63	lb			1.21	70 23
RELEASED APR 02 1991 FROM CONFIDENTIAL										
RECEIVED STATE OPERATIONS COMMISSION MAY 30 1991 CONSERVATION DIVISION Wichita, Kansas										

Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES
SERVICE CHARGE ON MATERIALS RETURNED	CU. FEET		
500-207	2 B SERVICE CHARGE	CU. F 285	.95 270 75
500-306	2 B Mileage Charge 26,123	LOADED MILES 235.107	.70 164 58
No. B 847935	CARRY FORWARD TO INVOICE	SUB-TOTAL	1,896 21

WELL NO. 21 LEASE Borgel SEC. 25 TWP. 19S RANGE 3240

DATE 12-13-89

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. 21 LEASE Borgel SEC. 25 TWP. 19S RANGE 3240  
 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 RELEASED  
 PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT ADD 0 2 1991  
 BORE HOLE \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
 PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>14</u>	<u>5 1/2</u>	<u>BL</u>	<u>4470</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>14 7/8</u>		
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
Cont Backside 1476' to surface with 2500 lbs 11LC 35.4 60/40 P<sub>2</sub> No Gel  
 RECEIVED  
 COMM  
 12-30-1990

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 12-13-89  
 TIME 1415 A.M. (P.M.)

SEC. 25 TWP. 19<sup>S</sup> RNG. 22<sup>W</sup> COUNTY Nass STATE Ky

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

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
N	14	5/2	CL	4470	
LINER					
TUBING					
PERFORATIONS 1476					
PERFORATIONS					
PERFORATIONS					

ORIGINAL

CONFIDENTIAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	MAKE
FLOAT COLLAR	RELEASED
FLOAT SHOE	
GUIDE SHOE	APR 02 1991
CENTRALIZERS	
BOTTOM PLUG	FROM CONFIDENTIAL
TOP PLUG 5-W 5/3	1 H0000
HEAD	
PACKER	
OTHER	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-13-89	DATE 12-13-89	DATE 12-13-89	DATE 12-13-89
TIME 1100	TIME 1400	TIME 1436	TIME 1600

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
P. Loggeller	Comm. 3030	Nass City, Ky
P. Crosswhite	Build 51252	May, Pa.
P. Khan		

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_  
 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 Conf.  
 DESCRIPTION OF JOB Conf. Back side 1476 to surface

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR Roy B. Loggeller COPIES REQUESTED \_\_\_\_\_

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	250	HCC		B	4# Floccle	1.34	13.7
	35	60-40 Poz		B	No Gel	1.09	15.2

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKON: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 36  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: 88.6  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. CEMENT LEFT IN PIPE \_\_\_\_\_ OVERALL \_\_\_\_\_  
 FEET 20' REASON Requested

REMARKS

See Chart + Job Log  
 Thank You Roy

CUSTOMER: M.D. CONTRACT  
 LEASE: RENTALS  
 WELL NO: 1  
 JOB TYPE: 2  
 DATE: 12-13-89

# B LOG

WELL NO. 1 LEASE WYRICK TICKET NO. 010016

CUSTOMER Mid Continent Resources PAGE NO. 1

2013 R-2

JOB TYPE Cont. Back side DATE 12-13-89

HART NO.	TIME	RATE (BPM)	VOLUME (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							Called out
	1400							On loc. Set up truck
	1436							Take Inj. Rate down esp.
		3	3				400	3 BPM 400 PSI
	1440	3					400	START MIXING CONT.
	1442		5					5 <sup>45</sup> pumped circulation out 8 7/8"
	1500		89					Finished mixing Release plug
	1508	3					450	Start Dis. Follow plug with manometer
	1512		10					10 <sup>55</sup> Displaced cont. to surface
	1520		36		RELEASED		600	Plug down tagged at 1450'
					APR 02 1991			shut in at well head
	1600				FROM CONFIDENTIAL			Wash & Rack up truck
								Job Complete
								Thank you
								Roym
								CONFIDENTIAL
								STATE CORPORATION
								MAR 30 1990
								CONSERVATION DIVISION
								Wichita, Kansas
								R. Kogelator 80719
								B. Crosswhite 89543
								P. Rhun 51361