

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

SIDE ONE

**ORIGINAL**

Operator: License # 8996

Name: Mid Continent Resources, Inc.

Address P. O. Box 399

City/State/Zip Garden City, KS 67846

Purchaser: KOCH

Operator Contact Person: Scott Corsair

Phone ( 789 ) 398-2270

Contractor: Name: Discovery Drilling Inc.

License: 31548

Wellsite Geologist: Scott Corsair

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5/8/98 5/14/98 1-6-99  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-24015 0000

County Ness

NE NE SE Sec. 25 Twp. 19S Rge. 22 W

2310 Feet from (S)N (circle one) Line of Section

990 Feet from (E)W (circle one) Line of Section

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

Lease Name Humburg Well # 2X

Field Name Schaben

Producing Formation Mississippian

Elevation: Ground 2256 KB 2264

Total Depth 4365 PBSD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 309.74 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1451 Feet

If Alternate II completion, cement circulated from 1451

feet depth to surface w/ 165 sx cmt.

Drilling Fluid Management Plan AH2, 2-10-99 U.C.  
(Data must be collected from the Reserve Ppt.)

Chloride content 10,000 ppm Fluid volume 500 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

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

County \_\_\_\_\_ Docket No. \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

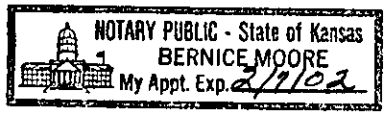
Signature Scott Corsair  
Title Petroleum Engineer Date 2-4-99

Subscribed and sworn to before me this 4th day of February, 19 99.

Notary Public Bernice Moore

Date Commission Expires 2/7/02

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" 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"/> NGPA
		<input type="checkbox"/> Other
		(Specify)



INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

List All E.Logs Run: Dual Induction, Compensated Neutron Density

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Anhydrite	1466	+798
Heebner	3721	-1457
Lansing	3769	-1505
Base Kansas City	4106	-1842
Marmaton	4137	-1873
Pawnee	4186	-1922
Ft. Scott	4264	-2000
Cherokee Shale	4284	-2020
Mississippian Osage	4359	-2095

**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 Pipe	12 1/2	8 5/8	20	309.74	60/40Poz	180	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	4361	EA/2	100	

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	surface 1451	midcon II	165	2% cc 1/4# flocele

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

**TUBING RECORD** Size 2 3/8 Set At 4310 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 1-6-99 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	12		60		39

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 4361-4365

Production Interval  Other (Specify) \_\_\_\_\_

ORIGINAL

**SCOTT CORSAIR**

**PETROLEUM GEOLOGIST**

210 Avenue A P.O. Box 6  
Bazine, Ks 67516  
785-398-2270 Mobile 785-731-5060  
FAX 785-398-2586

**GEOLOGICAL REPORT**

**MID CONTINENT RESOURCES, INC.**

HUMBURG #2X  
NW NE SE  
Section 25-19S-22W  
Ness County, Kansas

RECEIVED  
STATE CORPORATION COMMISSION

FEB - 5 1999

CONSERVATION DIVISION  
Wichita, Kansas

**OPERATOR:** MID CONTINENT RESOURCES, INC.  
**WELL:** HUMBURG #2X  
**API NO.:** 15-135-24015  
**LOCATION:** NW NE SE, SEC. 25-19S-22W  
**WELLSITE:** FARMGROUND  
**COMMENCED:** MAY 8, 1998  
**COMPLETED:** MAY 14, 1998  
**ELEVATIONS:** 2256' GL ; 2264' KB  
**TOTAL DEPTH:** 4365' (DRILLER); 4365 (LOGGER)  
**CASING:** SURFACE: 8 5/8 @ 310' W/180 SKS  
 PRODUCTION: 5 1/2 @ 4361' W/100 SKS  
 PORT COLLAR @ 1451  
**SAMPLES:** 10 FT. FROM 3700' TO T.D.  
**LOGS:** DUAL INDUCTION, COMPENSATED NEUTRON  
 DENSITY, BY ELI  
**DRILLSTEM TESTS:** NONE  
**CONTRACTOR:** DISCOVERY DRILLING (RIG 1)

REMARKS: Geological supervision: 3700' - T.D.

FORMATION TOPS	ELECTRICAL LOG SUBSEA		SAMPLES SUBSEA	
Anhydrite	1466	+798	1469	+795
Heebner	3721	-1457	3724	-1460
Lansing	3769	-1505	3770	-1506
Base Kansas City	4106	-1842	4104	-1840
Marmaton	4137	-1873	4138	-1874
Pawnee	4186	-1922	4186	-1922
Ft. Scott	4264	-2000	4264	-2000
Cherokee Shale	4284	-2020	4286	-2022
Cherokee Conglomerate	4329	-2065	4333	-2069
Mississippian Osage	4359	-2095	4359	-2095
Total Depth	4365	-2101	4365	-2101

**SAMPLE ZONE DESCRIPTION**

Logger's Measurements

**LANSING-KANSAS CITY 3769 -1505**

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

**FT. SCOTT 4264 -2000**

**Limestone:** tan, micritic, poor intercrystalline porosity, very slight show of free oil, fair fluorescence, excellent cut, no odor.

**CHEROKEE 4284 -2020**

**4288-4293; Sandstone:** clear, angular, poorly sorted, fine to medium grained, few friable clusters, no show, computes as water on log.

**4329-4344; Conglomerate: Dolomite,** clear to tan, sparry, good intercrystalline and vuggy porosity, **Sandstone, Chert, Limestone,** fair show of free oil, excellent fluorescence, excellent cut, fair odor.

**MISSISSIPPIAN OSAGE 4359 -2095**

**Chert:** white, weathered tripolitic, good vuggy porosity, good show of free oil, excellent fluorescence and excellent cut, good odor. Trace of **Dolomite:** tan, sucrosic, good pinpoint porosity, good show of free oil, good odor, excellent fluorescence and cut.

<b>FORMATION</b>	<b>Mid Continent Resources, Inc. Humburg 2X NW NE SE 25-19S-22W</b>	<b>Mid Continent Resources, Inc. Humburg 1X 150'NE of NE SE 25-19S-22W</b>	<b>Cities Service Humburg A #1 150' SW of NE SE 25-19S-22W</b>
Anhydrite	+798	+797	+795
Lansing	-1505	-1501	-1507
Cherokee	-2020	-2019	-2023
Mississippian Osage	-2095	-2089	-2093

**SUMMARY AND RECOMMENDATIONS**

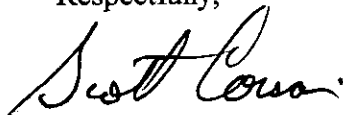
Structural position, Sample evaluation and Electrical log analysis indicate probable commercial production from the Cherokee and Mississippian Osage. Based upon available data 5 1/2" production casing was set.

Pipe was set 5 feet off bottom @ 4361'. The following zones are recommended for testing.

1. Mississippian Osage: 4361-4365 Open Hole
2. Cherokee Conglomerate: 4373-4380
3. Ft. Scott: 4270-4276; Before abandonment

Measurements were taken from rotary kelly bushing ( 8 feet above ground level). Logger's measurements are taken as correct.

Respectfully,



Scott Corsair  
Petroleum Geologist



HALLIBURTON ENERGY SERVICES

1906-0

ADDRESS: *midContinent Resources*  
 CITY, STATE, ZIP CODE: *Garden City, KS*

CUSTOMER NO. **ORIGINAL** No. **395063 - 9**  
 PAGE 1 OF 2

1. SERVICE LOCATIONS <i>25555</i>	WELL/PROJECT NO. <i>2X</i>	LEASE <i>Humberg</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>10-7-98</i>	OWNER <i>Same</i>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO. <i>Co Tools</i>	SHIPPED VIA <i>CO TK</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3. WELL TYPE	WELL CATEGORY <i>01</i>	WELL PERMIT NO. <i>030</i>	JOB PURPOSE	WELL LOCATION <i>S. Bazine KS 25-19<sup>s</sup>-22<sup>w</sup></i>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
	<i>000 117</i>		<i>1</i>		<i>0</i>	<i>MILEAGE P.T. Between wells</i>	<i>14</i>	<i>mE</i>	<i>1</i>	<i>unit</i>	<i>3.65</i>	<i>51.11</i>
	<i>001-016</i>		<i>1</i>		<i>50</i>	<i>Pump Charge</i>	<i>1451</i>	<i>FT</i>				<i>1630.00</i>
	<i>510-222</i>		<i>1</i>		<i>0</i>		<i>2</i>	<i>SKS</i>			<i>10.00</i>	<i>20.00</i>

RECEIVED  
 STATE COMMISSION  
 FEB - 5 1999  
 CONSERVATION DIVISION  
 Wichita, Kansas

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

*X* *Satt Con*  
 DATE SIGNED: *10-7-98* TIME SIGNED: *1000*  A.M.  P.M.  
 do  do not require IPC (Instrument Protection)  Not offered

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN			PAGE TOTAL <i>1701 11</i>
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE		FROM CONTINUATION PAGE(S) <i>3959 31</i>
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	
SPACERS	TREE CONNECTION	TYPE VALVE		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>5660.42</i>

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <i>X</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>L. Ouel</i>	HALLIBURTON OPERATOR/ENGINEER <i>B2150</i>	EMP # <i>20</i>	HALLIBURTON APPROVAL
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REGION <b>North America</b>	NWA/COUNTRY <b>Midcontinent</b>	BDA / STATE <b>KS</b>	COUNTY <b>Neosho</b>
MBU ID / EMP # <b>B2150</b>	EMPLOYEE NAME <b>L Dunkel</b>	PSL DEPARTMENT <b>Z.I</b>	
LOCATION <b>St. Lawrence Pratt KS</b>	COMPANY <b>Amoco Production Services</b>	CUSTOMER REP / PHONE <b>Scott Coleman 785-731-5060</b>	
TICKET AMOUNT <b>5660.42</b>	WELL TYPE <b>oil</b>	API / UWI #	
WELL LOCATION <b>S. of Wayne KS</b>	DEPARTMENT <b>Z.I.</b>	JOB PURPOSE CODE <b>030 ORIGINAL</b>	
LEASE / WELL # <b>Humborg 2X</b>	SEC. TWP / RNG <b>25 19S 22W NESS</b>		

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
L Dunkel B2150	6						
T Sola G 1622	5						
C Messick H 5314	3						
K B. Smith 31513	3						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
1	10:30							on location Discuss safety & set up into
	12:10		97			1500	1500	RBP at 4030 Test Plug 1500 PSI Held
	12:15		12			200		Spot 2 SKS Sand
	12:30							Put Tbg to locate Port Collar at 1451'
	13:45							Isolate Port collar at 1451' wait on TRKS from Rotary
	16:30							4/3 moe 1-3 for American Water
	16:50		6 BBL					TRKS on LOC
	16:50	3	20			400		Solid Rate + spot F.W. to Port collar 6 BBL
	17:05	3				400		open P.C. & Take Rate w/ Fresh water circ to 11' w/ 15 BBL
	17:30							ST mixing 180 SKS midcon 11 w/ 24 BBL 1/4" # 9 beads mixed at 11.2" / gal
	17:30	2				150		Finish mixing w/ 7 BBL 13.6" cmt 16.5 SKS total
	17:40					1000	1000	5705P 40 BBL
	17:45	2 1/2	11			300		Close Port Collar & PSH to 1000 OK
	17:50		20					Run 3 SKS & REV out 11 BBL
	17:50							Wash sand off plug
	17:50							3rd Comp. side

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STATE OF KANSAS  
FEB - 5 1998  
CONSERVATION DIVISION  
Wichita, Kansas





ORIGINAL



### Halliburton Energy Services

DATE: 10-07-1998      TIME: 08:53:17      SERVICE TICKET: 395063  
 PRATT-25555      BULK TICKET ONLY: 100461

JOB PURPOSE: TOP OUTSIDE  
 COMPANY TRUCK: :5621      DRIVER: C. MESSICK

CUSTOMER: MIDCONTINENT RESOURCES      LEASE & WELL#: HUMBERG 2X

504-280	MIDCON CEMENT	STANDARD	<del>180</del> 165	SKS.	14.17	2338.05 <del>2550.00</del>
507-210	FLOCELE		45	LBS.	2.09	94.05
509-406	CALCIUM CHLORIDE		4	SKS.	46.90	187.60
500-207	SERVICE CHARGES		200	CU FT	1.66	332.00
					TOTAL	3164.25
500-306	WEIGHT: 17913	MILES: 90	TON MILES: 806.09	1.25		1007.61
			TOTAL BOOK PRICE OF BULK TICKET:			\$ <del>4171.86</del> 3959.31
500-225	RETURN SERVICE CHARGES			CU FT	1.66	
500-306	WEIGHT: _____	RETURN MILES: 90	TON MILES: _____		1.25	

STATE OF KANSAS RECEIVED COMMISSION  
 FEB - 5 1998  
 CONSERVATION DIVISION  
 Wichita, Kansas



ADDRESS: **MANAGEMENT RESOURCES**  
 P.O. BOX 399  
 CITY, STATE, ZIP CODE: **GARDEN CITY, KS 67846**

CUSTOMER COPY: **ORIGINAL** No. **196699-8**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <b>HAYS, KS</b>	WELL/PROJECT NO <b>2x</b>	LEASE <b>HUMBURG</b>	COUNTY/PARISH <b>ALLEN</b>	STATE <b>KS</b>	CITY/OFFSHORE LOCATION	DATE	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>DISCOVERY DRILLING</b>	RIG NAME/NO. <b># 1</b>	SHIPPED VIA <b>53293m</b>	DELIVERED TO <b>LOCATION</b>	ORDERING
3.	WELL TYPE	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO. <b>APL - 135-24015</b>	WELL LOCATION	RECEIVED 11-14-98 11-5-98 CONSERVATION DIVISION White, Kansas RW	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE 53293m RTM	90	MI	1	UNIT	3.65	328.50
001-016		1			PUMP SERVICE	4361	FT	6	NPS	2181.00	2181.00
018-317		1			SURFLUSH	615	YDS			112.00	672.00
018-303		1			CLAYEX II	2	GAL			30.50	61.00

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <b>3242.50</b>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S) <b>3234.01</b>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
DATE SIGNED <b>5-14-98</b>	TIME SIGNED <b>2:00</b>	AM. <input type="checkbox"/>	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <b>6476.51</b>		
<input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered		TREE CONNECTION		TYPE VALVE		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <b>Scott Corsey</b>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>Scott Corsey</i>	HALLIBURTON OPERATOR/ENGINEER <b>WAYNE WILSON</b>	EMP # <b>89377</b>	HALLIBURTON APPROVAL
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JOB SLIP ID 4239-1

TICKET #	76699	TICKET DATE	5-14-98
BDA / STATE	KANSAS	COUNTY	NESS
PSL DEPARTMENT	2E		
CUSTOMER REP / PHONE	SCOTT CORSAIR		
API / UWI #	135-24015		
JOB PURPOSE CODE	035	ORIGINAL	

REGION	North America	NWA/COUNTRY	MED CONCRETE
MBU ID / EMP #	HA0101 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS KS	COMPANY	MEDCONCRETE RESOURCES
TICKET AMOUNT	6476.51	WELL TYPE	01
WELL LOCATION	BAZZE KS 6S, WS	DEPARTMENT	2E
LEASE / WELL #	HAMBURG 2x	SEC / TWP / RNG	25-19s-22w

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
WILSON	89377						
ASH	E1609						
RICHMEIER	S9734						

HES UNIT NUMBERS	FVT MILES	HES UNIT NUMBERS	FVT MILES	HES UNIT NUMBERS	FVT MILES	HES UNIT NUMBERS	FVT MILES
420995	114						
53293M	114						
52418	114						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	5-14	5-14	5-15	5-15
TIME	1600	2130	0030	0200

TOOLS AND ACCESSORIES		
TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		COMP.
Centralizers		FLOAT
Bottom Plug		SWIP
Top Plug		
Head		
Packer		
Other		

WELL DATA						
	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	14	5 1/2	KR	4361	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7 7/8	4361	4365	SHOTS/FT.
Perforations						
Perforations						
Perforations						

MATERIALS			
Treat Fluid	Density	Lb/Gal	
Disp. Fluid	Density	Lb/Gal	
Prop. Type	Size	Lb.	
Prop. Type	Size	Lb.	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perpac Balls	Qty.		
Other			
Other			
Other			
Other			

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
5-14	2 1/2	5-14	0	CMT 5 1/2" 465P
5-15	2	5-15	1 1/2	
				PKR SHOE @ 4361
				PORT CONDU @ 1451'
				TOP - 97
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER		
ORDERED	Avail.	Used
AVERAGE RATES IN BPM		
TREATED	Disp.	Overall
CEMENT LEFT IN PIPE		
FEET	31.48	Reason
		LATCH DOWN RAFFLE
		STATE AND DELIVERED

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	50	11C	B	1 1/4" FLOCELL, 5" GELWATER PLSK	1.25	12.7
	75	EA-2	B	.37% CER-3, .37% HAYAB 322, 1.87% SALT, 5.7% GNSIAL	1.37	15.4

25 SCS 11C TO PLUG RATION - MINUSCHOU

CONSERVATION DIVISION  
Wichita, Kansas

Circulating _____	Displacement _____	Preflush: Gal - (BBB) 20 / 6	Type CONCRETE / SUBP. TIE
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI _____	Pad: BBI - Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI _____	Disp: (BBB) Gal 105.6
Shut In: Instant _____	5 Min _____	Cement Slurr Gal - (BBB) 15.6 / 18.3 = 33.9	Total Volume Gal - BBI _____

Frac Ring #1	Frac Ring #2	Frac Ring #3	Frac Ring #4
THE INFORMATION STATED HEREIN IS CORRECT			
CUSTOMER'S REPRESENTATIVE SIGNATURE			

JOB LOG 239-5

TICKET #	96699	TICKET DATE	5-11-98
BDA / STATE	KANSAS	COUNTY	NESS
PSL DEPARTMENT	ZI	CUSTOMER REP / PHONE	SCOTT CORSAIR
API / UWI #	135-24015	JOB PURPOSE CODE	035

REGION	North America	NWA/COUNTRY	MED CONTINENT A
MBU ID / EMP #	H40101 89377	EMPLOYEE NAME	WAYNE WILSON
LOCATION	HAYS, KS	COMPANY	MEDCONTINENT RESOURCES
TICKET AMOUNT	6476.51	WELL TYPE	01
WELL LOCATION	BAZNE, KS 65, WS	DEPARTMENT	ZI
LEASE / WELL #	HUMB526 2x	SEC / TWP / RNG	25-19s-22w

ORIGINAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) :HRS
WILSON 89377			
ASH E1609			
RECHMEIER 59734			

CHART NO.	TIME	RATE (BPM)	VOLUME (GAL) (GPM)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Ibg	Csg	
	1600							CALLED OUT
	2130							ON LOCATION - DISCUSS JOB PROCEDURE
	0005							BREAK CIRCULATION w/ MUD PUMP
	0010							SET PARKER SIZE " "
1	0025	8	20	✓		200		PUMP 20 BBL'S CUYER II
		8	2	✓		200		PUMP 2 BBL'S SPACER
		8	6	✓		200		PUMP 6 BBL'S SUPERFLUSH
	0029	8	2	✓		200		PUMP 2 BBL'S SPACER
	0031		7					PLUG RAITBLE - MUDSHALE
	0036	7	26.9	✓		150		MIX CEMENT DOWN 5 1/2" CASING 25 HLL 75 EAR
	0041							WASH OUT PUMP - LINES
	0042							RELEASE LATCHDOWN PLUG
	0045	8	0	✓		400		DISPLACE PLUG
	0058	4	105.6			1500		PLUG DOWN - PSE UP
	0100							RELEASE PSE - HELD
								WASH UP
								PACK UP
	0200							JOB COMPLETE

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 Wichita, Kansas  
 THANK YOU  
 WAYNE, DWE, KEVIN



HALLIBURTON

ORIGINAL

HALLIBURTON ENERGY SERVICES

Truck# (s)	52419	CUSTOMER	Midcontinent Resources	WELL	Humbourg #2	3:17 PM	PAGE	2
						5/14/96		

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING LOC ACCT OF	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT	
504-308			Standard Cement	75	sk	\$12.13	\$909.75	
504-316			Halliburton Light Cement	60	sk	\$10.20	\$610.00	
509-988			Salt	600	lb	\$0.16	\$106.00	
507-210			Floccle	13	lb	\$2.09	\$27.17	
507-153			OFR-3	21	lb	\$6.15	\$129.15	
508-137			Cal Seal	4	sk	\$28.00	\$112.00	
507-391			Gilsonite	250	lb	\$0.58	\$145.00	
507-776			Helad-344	21	lb	\$30.00	\$630.00	
500-207			SERVICE CHARGE		CUBIC FEET	145	1.66	\$240.70
500-306			MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES		
				12.855	45	259.238	1.25	\$391.55

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 Wichita, Kansas  
 5/13 - 5/14/96

No. B 660334

CONTINUATION TOTAL	\$ 3,234.01
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HALLIBURTON ENERGY SERVICES

1906-Q

ADDRESS: American Warrior  
PO Box 399

CITY, STATE, ZIP CODE: Garden City KS 67846

No. 396483 - X

ORIGINAL

PAGE 1 OF 2

1. SERVICE LOCATIONS: 25525 Hwy 36

2. WELL/PROJECT NO.: 2x  
LEASE: Humbert  
COUNTY/PARISH: Ness  
STATE: KS  
CITY/OFFSHORE LOCATION:   
DATE: 8-15-98

3. TICKET TYPE:  SERVICE  SALES  
NITROGEN JOB?  YES  NO  
CONTRACTOR: Discovery Oil  
RIG NAME/NO.: #1  
SHIPPED VIA:   
DELIVERED TO: well site  
ORDER NO.:   
WELL TYPE:   
WELL CATEGORY:   
JOB PURPOSE:   
WELL PERMIT NO.:   
STATE:   
DATE: 8-15-98

4. REFERRAL LOCATION:   
INVOICE INSTRUCTIONS: set 8 1/2 surface Ppc  
API: 135-24015

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
010	000-117		1			MILEAGE 51374 Rcm Rt	5	mi	hour	3.65	18.25	
010	001-016		1			Pump Service	309	ft		162.00	16200.00	
010	030-503		1			wooden Plug	1	ea	8 1/2 in	95.00	95.00	

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

DATE SIGNED: 8-15-98 TIME SIGNED: 1700  A.M.  P.M.

do  do not require IPC (Instrument Protection)  Not altered

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL	1743.25
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)	2493.46
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH	
SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	4236.71

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): DAVE BREKING

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]

HALLIBURTON OPERATOR/ENGINEER: Allen F. Wood EMP #: 86101

HALLIBURTON APPROVAL: [Signature]

America

NWAC RY

BDA / STATE

COUNTY

EMPLOYEE NAME  
M.A. Cant

PSL DEPARTMENT

Mass

COMPANY  
Allan F. Worth

CUSTOMER REP / PHONE  
5001

ORIGINAL

HA0102 86101  
25525 Hays KS

WELL TYPE  
American Wacker

API / UWI #  
API-135-24015

TICKET AMOUNT  
4236.71

DEPARTMENT  
01

JOB PURPOSE CODE  
010

WELL LOCATION  
S. Basine

SEC / TWP / RNG  
5101

LEASE / WELL #  
Hueberg 28

SEC / TWP / RNG  
25 10 23

HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)   HRS
Allan F. Worth 86101			
Dan Baccus 71010			
Ferry Hardy 71010			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	1bg	Csg	
	0800							Called out 5-8-95. Brown Location @ 1600
	1600							on location Rig Drilling. 1 1/4 hole @ 51'
	1910							First Drilling. c.c. and 1st Fan - Drop sursh.
	1950							start out of hole w/ bit
	2007							start 8 5/8 csg
	2040							csg out bottom (Setup + Plan Job)
	2130							c.c. w/ mud bag.
	2101					300'		St mix 120 slt 40/60 for 270 gal 3.90 cc
			41.			0"		Feed mix out
						10"		Release wearless Plug.
			18 1/2			300'		Start Disp. csg Tap 18.5 BBL
						350'		Finish Dump Plug down
						350'		Shut in to wall
								washup rig + pack up rig.
								job complete

Out c.c. To P.T. ←

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CONSERVATION DIVISION  
Wichita, Kansas

Thanks Allan, Ron G.





HALLIBURTON ENERGY SERVICES

Truck# (s)	52415	CUSTOMER	American Warrior	WELL	Humberg #2	1 40 PM	PAGE	2
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PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING'S LOG ACCT. DE	DESCRIPTION	QTY	UNIT	QTY	UNIT	UNIT PRICE	AMOUNT
504-136			40/60 Pozmix Standard	180	sk			65.71	11,827.80
506-121			Halliburton Gel @2%	3	sk				NO
509-406			Calcium Chloride	4	sk			94.35	377.40
500-207			SERVICE CHARGE					1.66	3312.00
500-305			MILEAGE CHARGE					1.25	3425.98

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 (FEB - 5 1)  
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 Wichita, Kansas

No. B 660329

CONTRIBUTION TOTAL \$ 2,498.46