

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

API NO. 15- 163-23202-0060 **ORIGINAL**  
County Rooks  
SW - SW - NE Sec. 16 Twp. 10 Rge. 16 X <sup>E</sup>

Operator: License # 5537

2970 Feet from (S)K (circle one) Line of Section

Name: Kenny Brown Enterprises

2310 Feet from (E)K (circle one) Line of Section

Address: Drawer 340

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

City/State/Zip Plainville, Kansas 67663

Lease Name K-Brown Well # 8

Purchaser: Farmland Industries

Field Name Natoma-West

Operator Contact Person: Kenneth O Brown

Producing Formation IKC

Phone ( 913 ) 434-7236

Elevation: Ground 1952' KB 1960'

Contractor: Name: Prairie Drilling Inc.

Total Depth 3515' PBDT 3320'

License: 30964

Amount of Surface Pipe Set and Cemented at 217' Feet

Wellsite Geologist: Ronald Nelson

Multiple Stage Cementing Collar Used? X Yes        No

Designate Type of Completion  
X New Well        Re-Entry        Workover

If yes, show depth set 1119' Feet

If Alternate II completion, cement circulated from 1050'

X Oil        SWD        S10W        Temp. Abd.  
       Gas        ENHR        SIGW  
       Dry        Other (Core, MSW, Expl., Cathodic, etc)

feet depth to Surface w/ 490 -        sx cmt.

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

Drilling Fluid Management Plan 6-12-92  
(Data must be collected from the Reserve Pit)

Operator:       

Chloride content 41000 ppm Fluid volume 300 bbls

Well Name:       

Dewatering method used Lost circulation-used all

Comp. Date        Old Total Depth       

Location of fluid disposal if hauled offsite:       

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

Operator Name N/A

Lease Name        License No.       

5-15-92 5-21-92 6-1-92  
Spud Date Date Reached TD Completion Date

       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, 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 Kenny E Brown

Title Office Manager Date 6-11-92

Subscribed and sworn to before me this 11<sup>th</sup> day of June 1992.

Notary Public Barbara West

Commission Expires       



K.C.C. OFFICE USE ONLY  
F        Letter of Confidentiality Attached  
C ✓ Wireline Log Received  
C        Geologist Report  
**RECEIVED**  
STATE CORPORATION COMMISSION  
Distribution  
KCC        SWD/RFP        KGPA  
KES        **JUN 12 1992** Other         
6-12-92 (Specify)  
CONSERVATION DIVISION  
Wichita, Kansas

Operator Name Kenny Brown Enterprises Lease Name K-Brown Well # 8  
 Sec. 16 Twp. 10 Rge. 16  East  West  
 County Rooks

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 sheets 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.)  
 List All E.Logs Run:  
 R A Guard  
 Temperature Survey

Log Formation (Top), Depth and Datum  Sand

Name	Top	Datum
Top Anhydrite	1138'	+822
Base Anhydrite	1176'	+784
Topeka	2840'	-880
Heebnor	3069'	-1109
Toronto	3090'	-1130
LKC	3112'	-1152
Base KC	3364'	-1404
Conglomerate	3436'	-1476
Arbuckle	3502'	-1542
T.D	3515'	

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" (new)	20#	217'	60/40 Pos Mix	145	2% gel 3% CC
Production	7 7/8"	5 1/2" (used)	14#	3515'	Com	150	5% Gelseal 18% salt 1/2#CFR-3

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

PERFORATION RECORD - Bridge Plugs Set/Type  
 Specify Footage of Each Interval Perforated

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3324-27 3215-19 3205-07	750 gal acid 15%	3324-27
2	3168-70 3157-59 3153-55	750 gal acid 15% each zone	3215-19 3205-07 3168-70
		750 gal. 15% (Total Acid)	3157-3151

TUBING RECORD Size 2 3/8" Set At 3317" Packer At \_\_\_\_\_ Liner Run  Yes  No 3750 gal)

Date of First, Resumed Production, SWD or Inj. 6-3-92 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 21 Bbls. Gas 52 Mcf Water 52 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 3215-3151'

METHOD OF COMPLETION Production Interval \_\_\_\_\_

SERVICE NO. 101119

DATE 5-26-92

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: King Brown (CUSTOMER)

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

LEASE NO. 1 LEASE K. Brown SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

FIELD \_\_\_\_\_ COUNTY Rooks STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		<u>11</u>		<u>5 1/2</u>	<u>66</u>		
LINER							
TUBING		<u>11</u>		<u>2 3/8</u>	<u>66</u>		
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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

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

Open FD & cement to surface w/ 200 lbs NLC & 4" Flood pack & 50 sacks 51D

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

I, the above-named Customer, agree: 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 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 and all liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

Damage to property owned by 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 collection, subsurface pressure, losing control of the well and/or a well blowout, or the use of radioactive materials.

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, or the unavailability of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials or equipment of Halliburton whether in 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 when 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.

Because of the inherent risks involved in the performance of the services and the necessity of relying in part on the subcontracting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies, materials, or equipment of Halliburton or the accuracy or completeness of the information or data furnished by the Customer or the accuracy or completeness of the information or data furnished by the Customer or the accuracy or completeness of the information or data furnished by the Customer or the accuracy or completeness of the information or data furnished by the Customer.

HALLIBURTON MAKES NO WARRANTY, EXPRESS OR IMPLIED, MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTENDS BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any contract, whether in contract, tort, or otherwise arising out of the sale or use of any products, supplies, materials, or equipment furnished by Halliburton shall be limited to the replacement of such products, supplies, materials, or equipment at Halliburton's option to the allowance of the purchase price for the goods or materials. In no event shall Halliburton be liable for special, incidental, indirect, or consequential damages.

HALLIBURTON SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF EQUIPMENT OR MATERIALS SUPPLIED BY HALLIBURTON OR BY THE CUSTOMER OR HIS AGENT. HALLIBURTON SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF EQUIPMENT OR MATERIALS SUPPLIED BY HALLIBURTON OR BY THE CUSTOMER OR HIS AGENT. HALLIBURTON SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF EQUIPMENT OR MATERIALS SUPPLIED BY HALLIBURTON OR BY THE CUSTOMER OR HIS AGENT.

Customer shall be responsible for any changes or modifications to the contract, including any such changes or modifications, which are such changes or modifications in writing by a duly authorized representative of the Customer.

SIGNED \_\_\_\_\_ CUSTOMER

DATE 5-26-92

TIME 1:00 P.M.

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 12 1992  
CONSERVATION DIVISION  
Wichita, Kansas



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*OKlahoma - 114 OK*  
*HOYSIKS ORIGINAL*

BILLED ON TICKET NO. *208297*

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RING \_\_\_\_\_ COUNTY *ROOKS* STATE *KS*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

ECTION HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>5-26-72</i>	DATE <i>5-20-72</i>	DATE <i>5-26-72</i>	DATE <i>5-26-72</i>
TIME <i>1200</i>	TIME <i>0745</i>	TIME <i>0835</i>	TIME <i>1500</i>

### TOOLS AND ACCESSORIES

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

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<i>J. Richardson</i>	<i>7005</i>	
	<i>41091</i>	<i>HOYSIKS</i>
<i>K. Richardson</i>	<i>51374</i>	<i>11</i>
<i>P. Berger</i>	<i>1001 Pump</i>	
<i>D. Batsberger</i>	<i>51272</i>	
	<i>CONTR BULK</i>	

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

NEUTRAGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

FROE. RED. AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

LOCKING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

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

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT *CONTR - TOOLS*

DESCRIPTION OF JOB \_\_\_\_\_

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE *X Steve Pender*

HALLIBURTON OPERATOR *Ken Richman* COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL
	<i>100</i>	<i>2160</i>	<i>Stowes</i>	<i>17</i>	<i>1/4 H. Sealant</i>	<i>1.74</i>	<i>12.4</i>
	<i>100</i>	<i>500</i>	<i>11</i>	<i>8</i>		<i>1.0</i>	<i>15.1</i>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

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

PRE-ANNOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

PERF. \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

RETURN INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

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

ADDED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

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

CEMENTING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

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

REASON \_\_\_\_\_

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

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

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL *4*

CEMENT SLURRY: BBL-GAL *105.11*

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

REMARKS \_\_\_\_\_

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STATE CORPORATION COMMISSION

JUN 12 1992

CONSERVATION DIVISION  
Wichita, Kansas

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. 8 LEASE K. Brown TICKET NO. 208287  
 CUSTOMER K. Brown Int PAGE NO. 2  
 JOB TYPE Source ORIGINAL DATE 5-27-92

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1145	2				300		cm + cm / OC TAK-111
	1102					200		ST mix cm + 223 SKS ALLC 1/4 fluid
						350		+ 50 SKS STD. 2 3/8
						600		cm + cm to surf + cm stopped
	1240					750		190 SKS ALLC + 50 SKS STD mix + 0.8
								Wash pump + line, ST. displ =
								5 1/2 displ 1 bbl past Tg, wash up 1/2
	1220					500		press Tg
	1235					500		staging
	1315							2nd pass (OK)
	1316					500		3rd pass (OK)
	1317							100 Rev short way around Tool
	1325							100 Run 3 1/2" circ clean @ 1073'
	1333							100 Run 3 1/2" to 1165' circ clean
	1345							DUH RTH to 925'
	1425					300		press squeeze (OK)
								2nd DUH RTH
	1430							Shut down for today
								<i>J. R. ...</i>
								<i>K. ... # 59734</i>
								<i>P. ... # 59720</i>

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 CONSERVATION DIVISION  
 Wichita, Kansas

**HALLIBURTON SERVICES**  
**JOB LOG**

WELL NO. 9 LEASE Kenny Brown Est TICKET NO. 208287  
 CUSTOMER Kenny Brown Est. PAGE NO. 1  
 JOB TYPE Service Open FO. DATE 5-26-92

FORM 2013 R-2

**ORIGINAL**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							Call down to open FO well
	0840							up 2 1/2 SKS HLC 7-1/2" / SK
	0915							4 50 SKS STD FO positioners
	1005					1000	1000	Service manifold stripper head
	1017					300		on line, rig up tubing & positioners
	1115							57 Tag & positioners
	1145							Tag FO 21119 w/ closing positioners
	1150							Hook up 4 pass 257 (OK)
	1210							open FO + pump Taget circ surf
	1225							good blow to surf 57 mix cement
	1232		4					200 SKS + 50 SKS
	1235					1000	1000	mix about 25 SKS, rough head leaking
	1240		10			350		called weld to fix head shut down
	1245							57 mix cement again
	1250							Pump 15 bbl taget returns to pit
	1310		20					Had about 100 SKS mix circ to pit
	1335							Quit
	0900							cont mixed 4 st displ
	1000							7 1/2 displ.
	1100							close FO 4 pass 257 (OK)
	1200							Rev. Tag clean
	1300							pull FO positioners
	1400							Rem in well, and tag to 1225
	1500							circ hole clean
	1600							Hold clean, shut down for the day.
	1700							5-27-92
	1800							on line Service 740 of well 1255'
	1900							pull 100 4750' reduce 225 SKS cement
	2000							HLC 7/8" Shell 1/8" + 50 SKS STD 2" pipe
	2100							Rev. Hole to 975' (21175) Set
	2200							pass 167 (OK)
	2300							pass 167, pump in 2.5 bbl
	2400							write cement
	2500							See p. 2

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CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER

**JOB LOG**

WELL NO. #8 LEASE K Brown TICKET NO. 202274

CUSTOMER K Brown Enterprises PAGE NO. 1

JOB TYPE Cmt 5 1/2 Prod Usg DATE 5-20-90

FORM 2013R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:30							Called out ORIGINAL
	02:00							On loc
	02:15							Spot & Set up Equip - Plan Job
								Start 5 1/2" x 15 5/8" Csg in Hole w/
								1ea Cmt Guide Shoe
								1ea Insert Flat Valve w/ Fill-up
								7ea Cementation on 1-4-7-10-15-59'
								1ea Cmt Boston on 5" LDC 1159'
								1ea FDCmt on 60 cells @ 119'
	04:00							Csg in Hole
								Hook up Swage
	00:05							Break Circ w/ Ring Pump
								Circ Down to 3513'
								Csg Set @ 3509'
								Hook up PC & Manifold
	01:00							150 Stn P, Salt Fl. - 20 Fl
	01:05							100 Salt Fl. in - Stn 6.1 spacer (1st)
	01:10							200 Salt Sp. in - Stn 17.1 (1st)
								150ct Con 1/5" cut Sect, 18" Sect
								1/2 C.F.R.-3, 12 1/2" 1/2" G. line
	01:15							150 Fresh Mix Cont.
								Release Plug
								Wash out Pump & Lines
	01:17							100 Stn - D'spl
	01:20							100 Fresh D'spl
	01:25							1200 Pl. loaded
	01:30							Release Plug - Drilled up (Fl. + H.H.)
								Set Cement
								Thank you for service

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JUN 12 1992

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Eastern #1

Hays Ks

ORIGINAL  
TICKET NO. 208374

## WELL DATA

FIELD \_\_\_\_\_ SEC. 16 TWP. 16<sup>S</sup> RNG. 16<sup>W</sup> COUNTY Rooks STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

ECTION HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>1</u>	<u>15.2</u>	<u>5 1/2"</u>	<u>K15</u>	<u>3509</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 1/2"</u>	<u>3509</u>	<u>3515</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-20-92</u>	DATE <u>5-20-92</u>	DATE <u>5-20-92</u>	DATE _____
TIME <u>17:30</u>	TIME <u>20:00</u>	TIME <u>16:00</u>	TIME _____

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S Backe</u>	<u>Comb</u>	<u>Hays Ks</u>
<u>L Dunkel</u>	<u>51113</u>	<u>"</u>
<u>D Ash</u>	<u>BT</u>	<u>"</u>
	<u>0815</u>	

DEPARTMENT Cement

DESCRIPTION OF JOB Unit 5 1/2" Prod Log

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X Steve Ruder

HALLIBURTON OPERATOR \_\_\_\_\_ COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>Com</u>		<u>B</u>	<u>50 Capsule, 19% Salt, 4% CFR-3, 10% 26 G.L.</u>	<u>1.6</u>	<u>141.3</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

REGULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

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

PERFORMANCE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SLURRY: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

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

CEMENTED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

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

CEMENTING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

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

REASON \_\_\_\_\_

PRESLUSH: BBL-GAL. 20 (5/16) TYPE \_\_\_\_\_

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

TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: BBL-GAL. 3.94

CEMENT SLURRY: BBL-GAL. 457.7

TOTAL VOLUME: BBL-GAL. 1.6

REMARKS Please See Job Log

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 12 1992  
CONSERVATION DIVISION  
Wichita, Kansas



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 208274

DISTRICT P-97

DATE 5-20-92

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

WELL NO. 8 LEASE K Broun SEC 16 TWP. 10S RANGE 11W FIELD COUNTY Rooks STATE KS OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: INFORMATION NAME, TYPE, FROM, TO, CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS, etc. Includes handwritten data for well 8.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED Cont 5 1/2" Prod Csg.

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. Reserve 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 subsurface operations 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 by and Section of below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence or liability, or the unsoundness or any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the operation, 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 apply to all claims or liability, or 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. The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section by and Section of below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence or liability, or the unsoundness or any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the operation, 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 apply to all claims or liability, or 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. THE ABOVE WARRANTIES EXPRESSLY DO NOT APPLY TO THE DEFENSE, INDEMNITY, RELEASE AND HOLD HARMLESS OBLIGATIONS OF CUSTOMER PROVIDED FOR IN THIS SECTION BY AND SECTION OF BELOW WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. HALLIBURTON'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY IN ANY CASE OF NEGLIGENCE OR LIABILITY OF EITHER PARTY 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 TO THE EXTENT OF THE ALLOWANCE TO THE CUSTOMER OR CREDIT FOR THE COST OF SUCH ITEMS. IN NO EVENT SHALL HALLIBURTON BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES. The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section by and Section of below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence or liability, or the unsoundness or any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the operation, 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 apply to all claims or liability, or 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. 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The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section by and Section of below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence or liability, or the unsoundness or any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the operation, 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 apply to all claims or liability, or 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. THE ABOVE WARRANTIES EXPRESSLY DO NOT APPLY TO THE DEFENSE, INDEMNITY, RELEASE AND HOLD HARMLESS OBLIGATIONS OF CUSTOMER PROVIDED FOR IN THIS SECTION BY AND SECTION OF BELOW WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. HALLIBURTON'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY IN ANY CASE OF NEGLIGENCE OR LIABILITY OF EITHER PARTY 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 TO THE EXTENT OF THE ALLOWANCE TO THE CUSTOMER OR CREDIT FOR THE COST OF SUCH ITEMS. IN NO EVENT SHALL HALLIBURTON BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

RECEIVED STATE CORPORATION COMMISSION

HAVE READ AND UNDERSTAND THIS CONTRACT AND HEREBY THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER. SIGNED Steve Broun DATE 5-20-92 TIME 3:11 A.M. P.M. CUSTOMER CONSERVATION DIVISION Wichita, Kansas

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.



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ORIGINAL

ATTACH TO INVOICE & TICKET NO. 20521

1908 R A Division of Halliburton Company

DISTRICT P. O. K

DATE 5-15-92

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

NO. #8 LEASE K Brown SEC. 16 TWP. 10<sup>s</sup> RANGE 16<sup>w</sup> COUNTY Rook STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

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

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Cement 8 5/8 Surface Csg / 145sk 60-40 Ppz / 264.37 cc

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... pay Halliburton in accord with the rates and terms stated in Halliburton's current price list... indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies... Reservoir formation, or well loss or damage, subsurface trespass or any action in the nature thereof...

RECEIVED STATE CORPORATION COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND I HEREBY AUTHORIZE TO SIGN THE SAME AS CUSTOMER'S AGENT. JUN 12 1992

SIGNED [Signature] CUSTOMER DATE 5-15-92 TIME 8:00 A.M. P.M. CONSERVATION DIVISION Wichita, Kansas

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