

15-109-20534-00-00

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5420

Name: White & Ellis Drilling, Inc.

Address P. O. Box 48848

City/State/Zip Wichita, KS 67201-8848

Purchaser: Koch Oil Company

Operator Contact Person: Michael L. Considine

Phone (316) 263-1102

Contractor: Name: White & Ellis Drlg., Inc.

License: 5420

Wellsite Geologist: Thomas Funk

Designate Type of Completion

New Well  Re-Entry  Workover

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

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

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

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

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

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

5-09-92 5-18-92 06-03-92  
Spud Date Date Reached TD Completion Date

API NO. 15- 109-20,534-00-00

County Logan

N/2-NE-NE Sec. 9 Twp. 11S Rge. 33 X<sup>E</sup><sub>W</sub>

4950 Feet from SW (circle one) Line of Section

660 Feet from EW (circle one) Line of Section

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

Lease Name Hecker Well # 1

Field Name Cook Northwest

Producing Formation Johnson & Lansing/Kansas City

Elevation: Ground 3127' KB 3132'

Total Depth 4710' PBTD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 382' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2550' Feet

If Alternate II completion, cement circulated from 2550'

feet depth to surface w/ 515 sx cmt.

Drilling Fluid Management Plan 6-25-92  
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 1,100 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, 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 Michael L. Considine

Title Secretary-Treasurer Date 6-16-92

Subscribed and sworn to before me this 16th day of June 19 92.

Notary Public Carolyn J. Tjaden

Date Commission Expires \_\_\_\_\_

CAROLYN J. TJADEN  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. Sept. 5, 1992

RECEIVED  
STATE CORPORATION COMMISSION  
6-23-1992  
SUB 23/1992  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

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

SIDE TWO

Operator Name White & Ellis Drlg., Inc. Lease Name Hecker Well # 1

Sec. 9 Twp. 11S Rge. 33  East  West  
 County Logan

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

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2611	+ 521
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	B/Anhydrite	2636	+ 496
List All E.Logs Run:		Heebner Shale	4030	- 898
Guard Sidewell Neutron Log		Lansing	4073	- 941
		Muncie Creek	4215	-1083
		Stark Shale	4298	-1166
		Marmaton	4385	-1253
		Ft. Scott	4544	-1412
		Cherokee Shale	4573	-1441
		Johnson Zone	4617	-1485
		Mississippi	4675	-1543
		T.D.	4710'	

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"	23#	382'	60/40 poz	220	2% Gel 3% CC
Production	7 7/8"	5 1/2"	14#	4706'	EA-2	140	5#/sx Cal-Seal 5#/sx Gilsonite 10% salt after 420 ga Superflush

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		N/A		
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
3 SPF	4230'-34' (4')	300 gal 15% MCA 500 gal	15% SGA NE
3 SPF	4265'-69' (4')	300 gal 15% MCA 500 gal	15% SGA NE
3 SPF	4284'-88' (4')	300 gal 15% MCA 500 gal	15% SGA NE
2 SPF	4618'-25' (7')	500 gal 15% MCA 1500 gal	15% SGA NE

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2"		4634'			

Date of First, Resumed Production, SWD or Inj. June 4, 1992 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil 120 Bbls.	Gas 0 Mcf	Water 40 Bbls.	Gas-Oil Ratio 37	Gravity
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Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled City & Johnson Production Interval Lansing-Kansas & Johnson

Hecker #1 - White & Ellis Drilling, Inc.  
N/2 NE NE  
Section 9-11S-33W  
Logan County, Kansas

- DST #1: 4131'-4160' ("E" zone) 30-45-45-60, Recover 1' clean oil, 97' muddy water, IFP 21#-21#, FFP 21#-21#, ISIP 1163#, FSIP 1163#
- DST #2: 4217'-4242' ("H" zone), 30-45-45-60, 217' gas in pipe, 124' clean gassy oil (30% gas and 70% oil), 62' slightly gassy oil cut watery mud (5% gas, 20% oil, 15% water & 60% mud), 31' gassy oil cut watery mud (5% gas, 20% oil, 30% water & 45% mud), 217' total fluid. IFP 42#-64#, FFP 85#-106#, ISIP 224#, FSIP 225#
- DST #3: 4244'-4275' ("I" zone), 30-45-45-60, 279' gas in pipe, 589' clean gassy oil (40% gas, 60% oil), 93' gassy oil cut mud (20% gas, 20% oil, 60% mud), 31' gassy oil cut watery mud (10% gas, 10% oil, 30% water, 50% mud), IFP 42#-128#, FFP 170#-277#, ISIP 736#, FSIP 736#
- DST #4: 4272'-4279' ("J" zone), 30-30-15-30, no blow on either opening/possibly had a valve leaking. 25' oil cut mud (20% oil, 80% mud), IFP 21#-21#, FFP 32#-32#, ISIP 117#, FSIP 245# (FSIP will extrapolate out to 600#)
- DST #5: 4595'-4630' (Johnson zone) 30-45-45-60, 248' gas in pipe, 62' clean gassy oil (20% gas, 80% oil), 124' gassy oil cut mud (20% gas, 40% oil, 40% mud) IFP 53#-64#, FFP 74#-96#, ISIP 277#, FSIP 267#

RECEIVED  
STATE CORPORATION COMMISSION  
6-23-1992  
JUN 23 1992  
CONSERVATION DIVISION  
Wichita, Kansas



15-109-20534-00-00

TICKET

HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

NO. 163813-1

ORIGINAL

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <b>Hecker #1</b>		COUNTY <b>Wagon</b>	STATE <b>Ks.</b>	CITY / OFFSHORE LOCATION	DATE <b>5-22-92</b>
CHARGE TO <b>White &amp; Ellis Drilling Company</b>		OWNER <b>White &amp; Ellis Drilling Co.</b>		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS <b>P.O. Box 48848</b>		CONTRACTOR <b>Pleasant Well Serv.</b>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
CITY, STATE, ZIP <b>Wichita, Ks. 67201-8848</b>		SHIPPED VIA <b>32/3</b>		LOCATION <b>1 Oberlin, Ks. 25529</b>	
WELL TYPE <b>Oil-Oil</b>		WELL CATEGORY <b>Oil-Development</b>		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
TYPE AND PURPOSE OF JOB <b>030 - Top outside Prod. Casing</b>		WELL PERMIT NO. <b>B-113919</b>		DELIVERED TO <b>NE Monument, Ks.</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			
000-117		1		MILEAGE 3243	8	mi			200	20	80
009-019		1		Pump Charge	2550	ft				1125	00

RECEIVED  
STATE CORPORATION COMMISSION  
6-23-1992  
JUN 23 1992  
CONSERVATION DIVISION  
Wichita, Kansas

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-113919**

**5/14/91**

WAS JOB SATISFACTORILY COMPLETED?

WAS OPERATION OF EQUIPMENT SATISFACTORY?

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

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

*[Signature]*  
HALLIBURTON OPERATOR

X *[Signature]*  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X *[Signature]*  
CUSTOMER OR HIS AGENT (SIGNATURE)

HALLIBURTON APPROVAL

FIELD OFFICE

SUB TOTAL **6290.71**  
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

**BULK MATERIALS DELIVERY 15-109-20534-00-00  
AND  
TICKET CONTINUATION**

FOR INVOICE AND  
TICKET NO. 1163813

A Division of Halliburton Company

DATE <b>5-22-92</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>1 Hecker</b>	COUNTY <b>Logan</b>	STATE <b>KS</b>
CHARGE TO <b>White &amp; Ellis</b>	OWNER <b>White &amp; Ellis</b>	CONTRACTOR <b>Plains Well Serv</b>		No. <b>B 113919</b>
MAILING ADDRESS <b>P.O. Box 48848</b>	DELIVERED FROM <b>Obolton KS</b>	LOCATION CODE <b>35529</b>	PREPARED BY <b>Jon S</b>	
CITY & STATE <b>Wichita KS 67201-8848</b>	DELIVERED TO <b>NE/Plains, KS</b>	TRUCK NO. <b>23077</b>	RECEIVED BY <b>[Signature]</b>	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
574-218				512 CNT	50	SK			7.14	357	00
577-210				Floccs	13	16			1.30	16	90
574-311				Halliburton Light Cement	385	SK			6.53	2514	05
577-210				Floccs	91	16			1.30	122	20
574-311				H.H.H. Light Cement	180	SK			6.50	1175	40
577-210				Floccs	45	16			1.30	58	50
RECEIVED STATE CORPORATION COMMISSION <b>6-23-1992</b> JUN 2 1992											
		Returned Mileage Charge		TOTAL WEIGHT		LOADED MILES					
		SERVICE CHARGE ON MATERIALS RETURNED				CONSERVATION DIVISION Wichita, Kansas					
		SERVICE CHARGE				CU. FEET					
		Mileage Charge		<del>56,911</del>	8	TON MILES					
				TOTAL WEIGHT		227.1		.80		218	25
No. <b>B 113919</b>											
CARRY FORWARD TO INVOICE										SUB-TOTAL	5141 91
											<del>3047</del> 43

**15-109-20534-00-00**  
**WORK ORDER CONTRACT**  
**AND PRE-TREATMENT DATA**

ATTACH TO  
INVOICE & TICKET NO.

163813

DISTRICT Oberlin, ks

DATE 5/22/92

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

WELL NO. 1 LEASE Hecker SEC. 9 TWP. 11s RANGE 33w  
FIELD \_\_\_\_\_ COUNTY logan STATE ks OWNED BY White & Ellis Drilling Co.

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE Comp Port Collar SET AT 2550  
TOTAL DEPTH \_\_\_\_\_ MUD WEIGHT \_\_\_\_\_  
BORE HOLE 7 7/8"  
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	N	14.0	5 1/2"	KB	4653	PBTD
LINER						
TUBING	U	4.7	2 3/8"	KB	tool	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
Cmt thru Comp. Port Collar with 385 sts HHC - 1/4 lb Flocele, 50 sts Std - 1/4 lb Flocele as directed.

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
  - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
    - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
    - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
    - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface 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 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 shall be 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. If Halliburton 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. 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 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 5/22/92

TIME 0800 hrs A.M. P.M.



# JOB SUMMARY

DIVISION Wichita, KS 15-109-20534-00-00  
 HALLIBURTON LOCATION Oberlin, Ks. ORIGINAL  
 BILLED ON TICKET NO. 163813

## WELL DATA

FIELD \_\_\_\_\_ SEC. 9 TWP. 11S RNG. 33W COUNTY Logan 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 Comp. Port Collar SET AT 2550'  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA 7 7/8" Hole TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>14.0</u>	<u>5 1/2"</u>	<u>KB</u>	<u>4663-</u>	<u>OBTD</u>
LINER						
TUBING	<u>U</u>	<u>4.7</u>	<u>2 3/8"</u>	<u>KB</u>	<u>Tool</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

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

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API \_\_\_\_\_  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL.-API \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>5-22-92</u>	<u>5-22-92</u>	<u>5-22-92</u>	<u>5-22-92</u>
TIME <u>1800</u>	TIME <u>0735</u>	TIME <u>0945</u>	TIME <u>1045</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S. Doherty-83271</u>	<u>40085</u>	<u>Oberlin Ks.</u>
<u>K. Leagy-73140</u>	<u>3243 RR M</u>	<u>"</u>
<u>M. Jones-52046</u>	<u>HT-400</u>	<u>"</u>
<u>M. McFarland-82829</u>	<u>3244</u>	<u>"</u>
	<u>Bulk</u>	<u>"</u>
	<u>50181</u>	<u>"</u>
	<u>Bulk</u>	<u>"</u>

DEPARTMENT Cmt + Bulk  
 DESCRIPTION OF JOB Cmt Thru Comp. Port Collar  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE [Signature]  
 HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>565</u>	<u>HLC</u>	<u>Std-B2</u>	<u>B</u>	<u>1/4 lb Flocele</u>	<u>1.84</u>	<u>12.4</u>
	<u>50</u>	<u>Std</u>	<u>Std</u>	<u>B</u>	<u>1/4 lb Flocele</u>	<u>1.18</u>	<u>15.6</u>

### PRESSURES IN PSI

### SUMMARY

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: \_\_\_\_\_ PAD: BBL-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL. \_\_\_\_\_ DISPL: \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL-GAL. 185, 10 1/2  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL-GAL. 222 3/4  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

RECEIVED  
 STATE CORPORATION COMMISSION  
 6-23-1992  
 JUN 23 1992

REMARKS  
Joe Sabhag + Chart  
Thank You Scott, Kent, Mike + Mike

CUSTOMER White Ellis Drilling Co.  
 LEASE Hecker  
 WELL NO. 1  
 JOB TYPE Cmt Port Collar  
 DATE 5/22/92

# JOB LOG

15-109-20534-00-00

WELL NO. 1 LEASE FISCAL YEAR

CUSTOMER White + Ellis Drilling Co

TICKET NO. 10001

PAGE NO. 1

ORIGINAL

FORM 2013 R-2

JOB TYPE Cmt thru Comp Port collar

DATE 5-22-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0735							One hoc. Set up Eq. Hook up to Tbg + Ann
	0825							Pump to head Hole
	0827		1 1/4 H2O			300		Hole header - close ann - Press up - Holding Comp. Tool @ 2500' - unable to Open Port Collar.
	0834							Release Press - Hunt For Port Collar - run 6 Jt's Tbg - found port collar - hook up to Tbg.
	0912					300		Press up - Holding
	0914	3				700		Open Port Collar - Start mixing 385 sls HHC - 1/4 lb Flocele - Ann blowing
		3 1/4	10 Cmt			550		Hole Circ
			126 Cmt					Finished HHC - No Cmt to Surf - continue mixing more HHC - 1/4 lb Flocele
		3 3/4	185 Cmt			1100		Cmt to Surf - Start mixing 50 sls St's - 1/4 lb Flocele - mixed 565 sls HHC - 1/4 lb Flocele
	1013	3	10 1/2 Cmt			750		Finish St's - St Displ
	1017	-	10 H2O			500		Finish Displ - Shut Down - close Tool
						1,000		Press Test Casing - slow Bleed off - Tool
						700		not closed
	1020					1,500		Tool Closed - Press Test - Holding
	1022					-		Release Press - Holding - run 2 Jt's Tbg
	1028	3				-	600	Rev out @ 2620'
	1034		16 H2O			-		Shut Down - Pull Tbg / Tools
								" 26 Bbl Cmt Circ "

RECEIVED Job Complete  
 STATE CORPORATION COMMISSION  
 JUN 23 1992  
 6-23-1992 Thank You  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 Scott Kent, Mike + Mike



TELEPHONE:  
AREA CODE 913 483-2627

ALLIANT CEMENTING COMPANY, INC.

P. O. BOX 31  
RUSSELL, KANSAS 67665

TO: White & Ellis Drlg., Inc.  
P. O. Box 48848  
Wichita, KS 67201

INVOICE NO. 61837

PURCHASE ORDER NO. \_\_\_\_\_

LEASE NAME: Hecker #1

DATE May 9, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 132 sks @\$6.10	\$805.20	
Pozmix 88 sks @\$2.40	211.20	
Chloride 6 sks @\$21.00	<u>126.00</u>	\$1,142.40
Handling 220 sks @\$1.00	220.00	
Mileage (9) @\$0.04¢ per sk per mi	79.20	
Surface	380.00	
Mi @\$2.00 pmø trk chg	18.00	
1 plug	<u>+42.00</u>	739.20
	Total	\$1,881.60

RECEIVED  
CORPORATION COMMISSION  
JUN 25 1992  
6-23-1992  
CONSERVATION DIVISION  
Kansas

Cement circulated

Thank you!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

15-109-20534-00-00

ORIGINAL

ORIGINAL

15-109-20534-00-00

Phone 913-483-2627, Russell, Kansas  
Phone 316-798-5861, Great Bend, Kansas

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

1790

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	5-9-92	Sec.	9	Fwp.	11 s	Range	33 w	Called Out	10 :30 am	On Location	1:00 PM	Job Start	3:45 PM	Finish	4:15 PM
Lease	HECKER	Well No.	# 1	Location				MONUMENT 1/2 E 3/4 N 3/4 E		County	LOGAN	State	KANSAS		
Contractor	WHITE & ELLIS DRIG. RIG # 9														
Type Job	SURFACE														
Hole Size	12 1/4		T.D.	383'											
Csg.	8 5/8 23 #		Depth	382'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace	23 1/2 584											
Perf.															

**Owner**  
To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

**Charge To** WHITE & ELLIS DRIG. INC.  
**Street** P.O. Box 48848  
**City** Wichita **State** Kan 67201  
The above was done to satisfaction and supervision of owner agent or contractor.

**Purchase Order No.**  
X James Cromwell

**CEMENT**

Amount Ordered	220 SK 6 3/4 2 1/2 Gel 3% CC		
Consisting of			
Common	132	SKs @ 6 10	805 20
Poz. Mix	88	SKs @ 2 00	211 20
Gel.	4	SKs @ 6 75	410
Chloride	6	SKs @ 21 00	126 00
Quickset			

### EQUIPMENT

Pumptrk #177	No.	Cementer	Shan
		Helper	Wiel
Pumptrk	No.	Cementer	
		Helper	
Bulktrk #218		Driver	Jason
		Driver	

Handling	1.00 per SK	220 00
Mileage	4¢ per SK/mile	79 20
9 mile		
Sub Total		
Total		1,441 60

RECEIVED  
STATE CORPORATION COMMISSION  
6-23-1992  
Wichita, Kansas

<b>DEPTH of Job</b>		
Reference:	Pump Truck CHRG.	380 00
	2.00 per mile	18 00
1-8 5/8	WOODEN WIPER PLUG	42 00
	Sub Total	
	Tax	
	Total	440 00

Remarks:  
**Cement Circulated**  
*[Signature]*

Floating Equipment 2 5 1992

FORM 1908 R-11

28607

15-109-20534-00-00

WELL NO. - FARM OR LEASE NAME #1 Hecker		COUNTY Logan	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 5-18-92
CHARGE TO White & Ellis Drilling Company			OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS P.O. Box 48848			CONTRACTOR Co. Tools	LOCATION 1 Oberlin, Ks. 25522	
CITY, STATE, ZIP Wichita, Ks. 67201-8848			SHIPPED VIA 3243-51252	LOCATION 2 Haus, Ks. 25525	
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-942336	DELIVERED TO W. Measurement, Ks.	LOCATION 3	
TYPE AND PURPOSE OF JOB 035 Cement Prod. Co.			ORDER NO.	REFERRAL LOCATION	

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

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

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE (2345)	8	mi.			2.60	20.80
001-016		1		Pump Charge	4400	FT.	8	hr.	1365.00	1365.00
030-016		1		Tap Plug	1	ea.	5 1/2	in.	50.00	50.00
12A	825.205	1		Regular Guide Shoe	1	ea.	5 1/2	in.	105.00	105.00
24A	815.19251	1		Insert Float Valve	1	ea.	5 1/2	in.	83.00	83.00
27	815.19311	1		Auto-Fillup Assembly	1	ea.	1.0	in.	30.00	30.00
40	807.93022	1		S-4 Centralizer	11	ea.	5 1/2	in.	44.00	484.00
320	800.8883	1		Cement Basket	2	ea.	5 1/2	in.	90.00	180.00
018-317		1		Super Flush	10	gals			96.00	960.00
529-554		1		Halliburton Gel	2	SKs			14.75	29.50
019-241		1		Rotating Head	1	Job	5 1/2	in.	155.00	155.00

RECEIVED  
STATE COMMISSION  
6-23-1992  
JUN 23 1992

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-942336

330574

566700  
56604

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

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

*Charles Schmidt*  
HALLIBURTON OPERATOR

*Charles Schmidt*  
HALLIBURTON APPROVAL

WAS JOB SATISFACTORILY COMPLETED?  Y

WAS OPERATION OF EQUIPMENT SATISFACTORY?  Y

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?  Y

X *Charles Schmidt*  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X *Charles Schmidt*  
CUSTOMER OR HIS AGENT (SIGNATURE)



DISTRICT Pratt, Ks.

DATE 5-18-92

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

WELL NO. #1 LEASE Hecker SEC. 9 TWP. 11 RANGE 33

FIELD \_\_\_\_\_ COUNTY Larson, KS STATE Ks. OWNED BY White & Ellis Drilling Co

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE Baker Port Collar SET AT 2544  
TOTAL DEPTH 4710' MUD WEIGHT \_\_\_\_\_  
BORE HOLE 7 7/8"  
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	N	14 <sup>#</sup>	5 1/2"	KP3	1700'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

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

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

Cement 5 1/2" Prod. Csg. w/140 Sks. FA-2 w/10% Salt - 5" Gel Seal - 25 D-Air - 5" Gilsomite  
& 5 8/8 Hald 322 - 420 gal. SuperFlush -

As directed

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

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. 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 damaged or lost. 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 specifically agreed to in writing by a duly authorized executive officer of Halliburton.

RECEIVED  
STATE CORPORATION DIVISION  
JUN 23 1992  
6-23-1992  
WICHITA, KANSAS

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

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

DATE 5-18-92

TIME 12:50 A.M. (P.M.)

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 9 TWP. 11 RNG. 33 COUNTY Logansport 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 Baker Port Caller SET AT 2544

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 4710'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	14 <sup>#</sup>	5 1/2"	KB	4700'	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR Auto-Fillup 1"	1 ea.	Halko
FLOAT SHOE Insert Float 1 1/2"	1 ea.	
GUIDE SHOE Reg. 5 1/2"	1 ea.	
CENTRALIZERS S-U 5 1/2"	11 ea.	
BOTTOM PLUG Cement Bskt. 5 1/2"	2 ea.	
TOP PLUG S-W 5 1/2"	1 ea.	
HEAD Rotating 5 1/2"	1 ea.	
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 5-18-92	DATE 5-18-92	DATE 5-18-92	DATE 5-18-92
TIME 1430	TIME 1825	TIME 2047	TIME 2245

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
E. Ruppold 47558	Rm HT-400	
K. Legg 73140	3243	Berlin, Ks.
A. Werth 26101	Brn 51252	Hays, Ks.

**MATERIALS**

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

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

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

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

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

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

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

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

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

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

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

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

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

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

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

OTHER 10 SKS. Superfluck

OTHER 2 SKS. Halliburton Gel

DEPARTMENT Cementing

DESCRIPTION OF JOB Cement 5 1/2" Prod. Csg.

JOB DONE THRU: TUBING  CASING  ANNULUS  JOG (ANN.)

CUSTOMER REPRESENTATIVE X Charles Slummond

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	140	EA-2			10% Superfluck 5% Halliburton Gel	135	15.8

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESFLUSH: BBL. GAL. 10.0 TYPE Superfluck

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL: BBL. GAL. \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL. GAL. 33.7

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL. GAL. 6-23-1992

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ JUN 23 1992

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

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

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

FEET 43.0 REASON Shoe Joint

See Job Log & Chart  
Wichita, Kansas  
Thank you

CUSTOMER 15-109-20534-00-00  
LEASE Hester  
WELL NO. 5  
JOB TYPE 2 1/2" 500' 250'  
DATE 5-18-92

**JOB LOG**

15-109-20534-00-00

CUL IER White & Ellis Drilling Co.

GE NO. #101

FORM 2013 R-2

JOB TYPE Cement 5 1/2" Prod. Casp.

DATE 5-18-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							Called out - Job ready for 180 hrs.
	1825							On loc. - Rig working - Start 5 1/2" Casp & Prod. Equip. By Gils. 5 1/2" Cement 10' in
								5 1/2" - 5-4 Cent. on It. 116-115-103-107
								116-115-67-66-65-64-40-30-20-10-0
								Baskets on It. 116-40-30-20-10-0
								on It. - @ 2544'
	2047							Top down - Hook up to line
	2057							Eng. Start Circulating - Start Rotating Csg
								mix 10 SKS. Superflush
								Hook up to Pump truck
	2149	5 1/2	2.0				300	Start 2 bbl. water spacer
	2150	5 1/2	10.0				300	Start 420 gal Superflush
	2153		2.0				300	Start 2 bbl. water spacer
	2154		6.0				300	Start 6 bbl. Gelled water (25 SKS. Halo Gel)
	2156		33.7				300	Start mixing 140 SKS. EA-2 w/10% Salt
								5" Col. Seal/SK. - 5" Gilsonite/SK. - .25 D-Air
								.5% Halo 322
	2203						150	Finish mixing Cement
								Wash up Pump & lines - Release 5-w Top/116
	2205	7 1/2	113.6				100	Start disp.
	2214	7 1/2					250	Press. started Increasing
	2216	7 1/2					500	Stop Rotating Csg - 88 bbl. disp. in
	2220	7 1/2					1550	Plug down - Final Circ. Press = 1000"
	2222						0	Release Press. Insert holding
	2235							wash up PT & Rack up
	2245							Job Completed
								Thank you
								Eldon, Kent, Allen

RECEIVED  
STATE CORPORATION COMMISSION

JUN 23 1992  
6-23-1992  
CONSERVATION DIVISION  
Wichita, Kansas