

# ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5848  
Name: Herman Lang Oil & Gas Co.  
Address: 70 N. Farmland Road  
Garden City, Kansas 67846

City/State/Zip \_\_\_\_\_

Purchaser: to be determined

Operator Contact Person: Ron Osterbuhr

Phone: (316) 275-7888

Contractor: Name: Trans-Pac Drilling

License: 5841

Wellsite Geologist: Karl Osterbuhr

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     SWD     SIOW     Temp. Abd.
- Gas     ENHR     SIGW
- Dry     Other (Core, USW, 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     PSTD
- Commingled    Docket No. \_\_\_\_\_
- Dual Completion    Docket No. \_\_\_\_\_
- Other (SWD or Inj?)    Docket No. \_\_\_\_\_

Spud Date: 08/03/92    Date Reached TD: 08/13/92    Completion Date: 09/01/92

API NO. 15- 175-21260-0000  
County: Seward  
ne - SW - SW Sec. 23 Twp. 31S Rge. 32W  E

990 Feet from S/W (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 S/W (circle one)

Lease Name: Chapple Well # 4

Field Name: Thirty One

Producing Formation: Morrow

Elevation: Ground 2844' KB: 2855'

Total Depth 5850' PSTD 5715'

Amount of Surface Pipe Set and Cemented at 1786' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 3116' Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cat.

Drilling Fluid Management Plan DLT 1 DD 10-2-92  
(Data must be collected from the Reserve Pit)

Chloride content 2000 ppm Fluid volume 1500 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: Forald Osterbuhr  
Title: Agent Date: 09/24/92  
Subscribed and sworn to before me this 25<sup>th</sup> day of September  
19 92.  
Notary Public: Sharon Brandenburg  
Date Commission Expires: 4-11-96

RECEIVED  
STATE CORPORATION COMMISSION

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Geologist Report Received

SEP 28 1992

4-2-92

Distribution

KCC     SUB/REP

KGS     PLUG

CONSERVATION DIVISION  
Wichita, Kansas

Other (Specify) \_\_\_\_\_

SHARON BRANDENBURG  
Notary Public - State of Kansas  
My Appt. Expires 4-11-96

P1

SIDE TWO

Operator Name Herman Lang Oil & Gas Co.

Lease Name Chapple

Well # 4

Sec. 23 Twp. 31S Rge. 32W

East  
 West

County Seward

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<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	T/Permian	601'	+2254'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T/Cedar Hills	1194'	+1661'
List All E.Logs Run:		B/Stone Corral	1715'	+1140'
Dual Induction, Compensated Neutron/ Density, Caliper, Gamma-ray, Bond, CCL		T/Chase Group	2622'	+ 233'
		T/Heebner	4170'	-1315'
		T/Lansing	4310'	-1455'
		T/Marmaton	4950'	-2095'
		T/Cherokee	5102'	-2247'
		T/Morrow	5420'	-2565'
		T/Mississippian	5532'	-2677'

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface	12 1/4"	8 5/8"	24# new	1786'	Lite/Prem+	590/150	2%CC
production	7 7/8"	5 1/2"	17.7# used	5756'	Lite/Prem+	150/150	18%salt
					Lite/Prem+	200/160	18%salt

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				

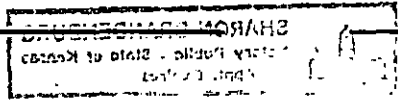
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5504-5510;5520-5522;5528-5531	500 gal 7 1/2 % FE	
		9500 gal diesel;34,000# 20-40 sand, 395,000 scf Nitrogen.	

<b>TUBING RECORD</b>	Size <u>2.375"</u>	Set At: <u>5510'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SMD or Inj. <u>09/01/92</u>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
----------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf <u>2,500 mcfd</u>	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval <u>5504'-5531'</u>
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WORK ORDER CONTRACT

ORIGINAL

FORM 1908 R-7

A Division of Halliburton Company

AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 250666

DISTRICT Liberal KS DATE 8-4-92

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

WELL NO. 4 LEASE Chappel SEC 23 TWP. 31S RANGE 32W FIELD COUNTY Seward STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE 12 1/4 INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (24, 8 5/8, KB, 1789, 1500), LINER, TUBING, OPEN HOLE (12 1/4, GL, 1789, SHOTS/FT.), and PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED. Includes handwritten notes: 0.10, 590 3K HLC P+, 2% CC, 1/4" Flaccle, 150 PPM, Perm + 2% CC, Displ w H2O.

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... b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies... c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others... d) That Halliburton warrants only title to the products, supplies and materials... e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act... g) That this contract shall be governed by the law of the state where services are performed... h) That Halliburton shall not be bound by any changes or modifications in this contract...

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT ON COMMISSION. SIGNED [Signature] CUSTOMER DATE 8-4-92 TIME 21:30 A.M. (P.M.) RECEIVED SEP 28 1992 OBSERVATION DIVISION Wichita, Kansas

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

CUSTOMER



HALLIBURTON SERVICES

A Division of Halliburton Company

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

ORIGINAL

FOR INVOICE AND TICKET NO. 250666

DATE 08-04-92	CUSTOMER ORDER NO.	WELL NO. AND FARM Chappel #4	COUNTY Seward	STATE Kansas
CHARGE TO Herman Lang		OWNER Same	CONTRACTOR Trans Pac #2	No. <b>B 969534</b>
MAILING ADDRESS		DELIVERED FROM Hugoton, Ks	LOCATION CODE 025535	PREPARED BY Mike Gilbert
CITY & STATE		DELIVERED TO SE/ Sublette, Ks	TRUCK NO. 3625-5003 3626-4515	RECEIVED BY EBERSOLE

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-050	516.00265	2	B	Premium Plus Cement	150	sk			8.19	1228	50	
504-120		2	B	Halliburton Light Cement	590	sk			7.40	4366	00	
507-210	890.50071	2	B	Flocele 1/2W/590	150	lb			1.30	195	00	
509-406	890.50812	2	B	Calcium Chloride 2W/ 590&150	14	sk			26.50	371	00	
					Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES	TON MILES			
					SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET			
500-207		2	B	SERVICE CHARGE			CU. FEET 778	1.15		RECEIVED 170		
500-306		2	B	Mileage Charge	69,779 TOTAL WEIGHT		20 LOADED MILES	697.79 TON MILES		558 23		
No. <b>B 969534</b>					CARRY FORWARD TO INVOICE				SUB-TOTAL		7613 43	

THIS IS NOT AN INVOICE

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	19:00							Call out Ready 21:30
	21:30							ON LOC. "Rig Only" Standby by
	2330							Full Drill Pipe
	0100							RUN 878 CASING - INSTALL ALUMINUM BATTIE
								plate on shoe joint
	0250							CASING IN
	0255							Circulate w/Rig
	0305							Hook up pump truck
	0308	7	216			200		Pump 590 SK Premium Plus 410 (27.00, 41" Accele)
	-	7	35			250		- 150 SK Premium Plus (27.00)
	0343							Drop Plug
	0344	5						Displace
	0405	2	102			550/500		Reduce Rate
	0408	1	110			500/600		110 BBL on disp. - 100 psi INCREASE
	0410		111.7			600/500		Calculated displacement in - No definite plug landing pressure - Shut down + shut in head.
								Job Complete
								- Circulated approx. 65 BBL CEMENT

RECEIVED  
STATE CORPORATION COMMISSION

SEP 28 1992

CONSERVATION DIVISION  
Wichita, Kansas

**HALLIBURTON SERVICES**  
Duncan, Oklahoma 73539

A Division of Halliburton Company

**ORIGINAL**

**TICKET**

NO. **250666-9**

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <b>4 Chappel</b>		COUNTY <b>Seward</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION	DATE <b>8-4-90</b>
CHARGE TO <b>Herman Lang H.S. Inc.</b>		OWNER <b>Same</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR <b>Trans Pac 2</b>	LOCATION <b>1 Libral Ks</b>		CODE <b>25540</b>
CITY, STATE, ZIP		SHIPPED VIA <b>Howco</b>	FREIGHT CHARGES <input type="checkbox"/> FPD <input type="checkbox"/> COLLECT	LOCATION <b>2 Hugoton Ks</b>	CODE <b>25535</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>Loc # of Libral</b>	LOCATION <b>3</b>	CODE
TYPE AND PURPOSE OF JOB <b>010</b>		ORDER NO.	REFERRAL LOCATION		
		<b>B-969534</b>			

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. 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	20	MIN	1	TA	2.60	52	00
001-016				PUMP CHARGE	1789	FT				1020	00
030-018				SW PLASTIC TOP PLUG	1	EA	8 7/8	IN		130	00
40	807-93059			3-4 CENTRALIZERS	3	EA	8 7/8	IN	62.00	186	00
597	825-1269			ALUMINUM BARREL PLATE	1	EA	1			45	00

NOT THIS IS AN INVOICE

RECEIVED  
OPERATION COMMISSION

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-969534**

7613 43

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

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

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

*Est B...*  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X  
CUSTOMER OR HIS AGENT (SIGNATURE)

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

**JOHN EBERSOLE**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SEP 28 1990

OPERATION DIVISION  
Sub V...  
Total

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

9046 43

**ORIGINAL**

FIELD 23 SEC 31S TWP 32W RING 5 COUNTY Seward 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 \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		24	KB	KB		1500
LINER						
TUBING						
OPEN HOLE			12 1/2	6L		SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		HOWCO
CENTRALIZERS	3	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER	1	

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-4-92</u>	DATE <u>8-4-92</u>	DATE <u>3-5-92</u>	DATE <u>3-5-92</u>
TIME <u>19:00</u>	TIME <u>21:30</u>	TIME <u>03:08</u>	TIME <u>04:10</u>

**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 \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
T. Bohannon	40076 P.O.	Liberal KS
R. Elwood	50856 P.O.	Liberal KS
McCarthy	29704	Hopedale, KS
Pierce	57106	IL
Freese	22673	Liberal, KS

DEPARTMENT Cement  
 DESCRIPTION OF JOB 010  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE John Freese  
 HALLIBURTON OPERATOR John Freese COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	550	HLC #2		2% cc	1/2 lb. Plastic	2.06	12.3
2	150	HLC #2		2% cc		1.32	14.8

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 33 REASON Shoe ST

**SUMMARY**

PRESLUSH: BBL-GAL \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_ DISPL. BBL-GAL 111.7  
 CEMENT SLURRY: BBL-GAL 216 + 35.2  
 TOTAL VOLUME: BBL-GAL \_\_\_\_\_  
 REMARKS Calculated Cement to surge  
 DATE SEP 28 1992  
 CONSERVATION DIVISION  
 Wichita, Kansas

DISTRICT: LIBERAL KS.

DATE: 8-14-92

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

WELL NO. 4 LEASE CHAPPLE SEC 23 TWP. 31S RANGE 32W

FIELD S.E. OF Sublette COUNTY Seward STATE KS. OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FROM TO Packer: TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I. Rows include CASING (U, 17, 5 1/2, 0, 5800), LINER, TUBING, OPEN HOLE (7 7/8, 5850, SHOTS/FT.), and PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

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

Cement 5 1/2 D.V. Long String D.V. AT 3155.60

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.
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.
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.
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.

- 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.
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.
e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton.
f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

SIGNED: [Signature] DATE: 8-14-92 TIME: 6:00 P.M. STATE COMMISSION DIVISION Wichita, Kansas

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

CUSTOMER





# BULK MATERIALS DELIVERY ORIGINAL AND TICKET CONTINUATION

FOR INVOICE AND TICKET NO. 250754

DATE <b>08-14-92</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Chopple #4</b>	COUNTY <b>Seward</b>	STATE <b>Kansas</b>
CHARGE TO <b>H.J. Inc.</b>		OWNER <b>Same</b>	CONTRACTOR <b>Transpac #2</b>	
MAILING ADDRESS		DELIVERED FROM <b>Hugoton, Ks</b>	LOCATION CODE <b>025535</b>	PREPARED BY <b>Mike Gilbert</b>
CITY & STATE		DELIVERED TO <b>NE/ Liberal, Ks</b>	TRUCK NO. <b>52827-7620</b>	RECEIVED BY <b>SMITH</b>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-050	516.00265	2	B	Premium Plus Cement	310	sk			8.19	2538	90	
504-120		2	B	Halliburton Light Cement	350	sk			7.40	2590	00	
507-210	890.50071	2	B	Flocele 1/2"W/ 150 & 200	88	lb			1.30	114	40	
507-775	516.00144	2	B	Halad-322 .6%W/ 150 & 160	175	lb			6.30	1102	50	
508-127	890.50131	2	B	EA-2 5/8"W/ 150 & 160	16	sk			19.70	315	20	
509-968	516.00315	2	B	Granulated Salt 18%W/-150&160	3254	lb			.10	325	40	
Returned Mileage Charge					TOTAL WEIGHT		LOADED MILES		TON MILES			
SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET				RECEIVED	
500-207		2	B	SERVICE CHARGE			CU. FEET 727		1.15	836	05	
500-306		2	B	Mileage Charge	66,396	20	663.96	.80		531	17	
No. <b>B969568</b>					CARRY FORWARD TO INVOICE					SUB-TOTAL		8352 72

CUSTOMER

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME <b>4 Chapple</b>		COUNTY <b>Seward</b>	STATE <b>Ks</b>	CITY / OFFSHORE LOCATION	DATE <b>8-14-92</b>
CHARGE TO <b>H J Inc</b>		OWNER <b>Some</b>	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input type="checkbox"/>
ADDRESS		CONTRACTOR <b>Transpac #2</b>	LOCATION <b>1 Liberal Ks</b>		CODE <b>023540</b>
CITY, STATE, ZIP		SHIPPED VIA <b>Co Veh</b>	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION <b>2 Hugoton Ks</b>	CODE <b>023535</b>
WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	WELL PERMIT NO.	DELIVERED TO <b>Loc</b>	LOCATION <b>3</b>	CODE
TYPE AND PURPOSE OF JOB <b>035</b>		<b>B-969568</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 issued, 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				MILEAGE	20	Mi	1	TRK	260	52 00
007-013	001-016			Pump Charge	5800	ft	8	hrs		1520 00
007-161				Additional Stage	1	EA				1025 00
007-203				Additional Hours	2	EA			180 <sup>00</sup>	360 00
12A	825.205			Guide Shoe	1	EA	5 1/2	IN		121 00
50	807.9322			Fluidmaster Centralizer	13	EA			50 <sup>00</sup>	650 00
71	813.80300			DV Tool	1	EA				2450 00
75	813.16510			Plug Set	1	EA				460 00
320	800.8883			Basket	1	EA				90 00
595	812.01695			Latch Down Plug	1	EA				345 00
594	801.03743			Latch Down Bottle	1	EA				114 00
018-315				Med Flush	500	gal				300 00

NOT AN INVOICE

RECEIVED  
STATE COMMISSION

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

**B-969568**

SEP 2 1992 2 72

WAS JOB SATISFACTORILY COMPLETED? **YES**

WAS OPERATION OF EQUIPMENT SATISFACTORY? **YES**

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? **YES**

X **Ron Osterbauer**  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **Ron Osterbauer**  
CUSTOMER OR HIS AGENT (SIGNATURE)

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

**Larry F. Smith**  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

CONSERVATION DIVISION  
Wichita, Kansas

SUB TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

15839.72

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

WELL NO. 4 LEASE CHAPPEL TICKET NO. 250754

CUSTOMER H. J. INC. PAGE NO. \_\_\_\_\_

FORM 2013 R-2

**ORIGINAL**

JOB TYPE 5 1/2 D.V. Long String DATE 8-14-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0130							CALLED OUT
	0400							ON Loc.
	0700							START RUNNING CASING
	1130							Heedon + Circulating
	1210	5 1/2	12				425	Pump Mud Flush
	1213	6 1/2	55				335	Pump Lead Cement
	1222	6	40 1/2				350	Pump Tail Cement
	1228							Shut Down - Release Plug - Wash PVC
	1231	6					50	Start Displacement w/water
	1241		60				50	Switch To Mud Displ.
	1252	3	125				600	Slow Rate
	1255		133 1/4				1200	Landed Plug
	1257							Release Pressure - Plug Latched
	1300							Release DV opening device
	1315						1250	Pressure up to open DV Tool
	1316		5					DV opened - Pump Mud
	1318							Hook To Rig Pump To Circulate
	1655	6	73 1/2				100	Pump Lead Cement
	1706	6	43 1/2				500	Pump Tail Cement
	1713	8						Shut Down - Release Plug - Wash PVC
	1716	6					50	Start Displacement
	1726	3	60				750	Slow Rate
	1730		73 1/2				1700	Landed Plug + Close DV Tool
	1731							Release Pressure - DV Tool Closed
								Job Complete

Thank you

Larry Smith + crew RECEIVED  
STATE CORPORATION COMMISSION

SEP 28 1992

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER

**WELL DATA**

FIELD SE Sublette SEC. 23 TWP. 31S RNG. 32W COUNTY Seward 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 \_\_\_\_\_

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

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

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>4</u>	<u>17</u>	<u>5 1/2</u>	<u>0</u>	<u>5800</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>		<u>5850</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-14</u>	DATE <u>8-14</u>	DATE <u>8-14</u>	DATE <u>8-14</u>
TIME <u>0130</u>	TIME <u>0400</u>	TIME <u>1210</u>	TIME <u>1731</u>

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<u>L. Smith</u>	<u>04463</u>	<u>Liberal KS</u>
<u>T. Bradford</u>	<u>52276</u>	<u>"</u>
<u>P. Cline</u>	<u>52827</u>	<u>"</u>
<u>P. Cline</u>	<u>7620</u>	<u>Hugoton KS</u>
<u>P. Cline</u>	<u>52127</u>	<u>"</u>
<u>P. Cline</u>	<u>7620</u>	<u>"</u>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Latch Down Btt 5 1/2</u>	<u>1</u>	
FLOAT SHOE <u>DU Tool</u>	<u>1</u>	
GUIDE SHOE	<u>1</u>	
CENTRALIZERS <u>Fluidmaster</u>	<u>13</u>	
BOTTOM PLUG <u>Latch Down</u>	<u>1</u>	
TOP PLUG <u>Set</u>	<u>1</u>	
HEAD	<u>1</u>	
PACKER <u>Basket</u>	<u>1</u>	
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 \_\_\_\_\_ IN

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

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cont

DESCRIPTION OF JOB Cement 5 1/2 DU Longstrins DU @ 3155.60

JOB DONE THRU: TUBING  CASING  ANNUALS  TBG ANN.

CUSTOMER REPRESENTATIVE X Kenneth Ostrowski

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

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>Prem Plus</u>	<u>HLC</u>	<u>0</u>	<u>1/4" Floccle</u>	<u>2.06</u>	<u>12.3</u>
	<u>150</u>	<u>Prem Plus</u>	<u>B</u>	<u>B</u>	<u>18% Sclt, 5" EA-2, 1/2" Haled 322</u>	<u>1.52</u>	<u>14.9</u>
<u>2</u>	<u>200</u>	<u>Prem Plus</u>	<u>HLC</u>	<u>0</u>	<u>1/4" Floccle</u>	<u>2.06</u>	<u>12.3</u>
	<u>160</u>	<u>Prem Plus</u>	<u>B</u>	<u>B</u>	<u>18% Sclt, 5" EA-2, 1/2" Haled 322</u>	<u>1.52</u>	<u>14.9</u>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

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

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

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_

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

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

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

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

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

FEET 41 REASON Shoe JT

PRESLUSH: BBL-GAL 12 GBS first stage TYPE MUD FLUSH

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

TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL-GAL 133.5/73.5

CEMENT SLURRY: BBL-GAL 55-70.6 / 73.5-43.5

TOTAL VOLUME: BBL-GAL 431.5

**REMARKS**

**RECEIVED**

SEP 28 1991

CUSTOMER H-T Inc  
LEASE Chapple  
WELL NO. 4  
JOB TYPE 5/8" DU Longstrins DATE 8-14-91