

ORIGINAL

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

API NO. 185-22,852-01-00
County Stafford
NE SW SE NW Sec. 4 Twp. 22 Rge. 11 X W

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 So. Ulster Street Parkway
Suite 1700

City/State/Zip Denver, CO 80237

Purchaser: Texaco

Operator Contact Person: George Hutton

Phone (316) 792-2756

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: Jim Musgrove

Designate Type of Completion
 New Well Re-Entry Workover

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

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

11/30/92 12/07/92 1/27/93
Spud Date Date Reached TD Completion Date

3615 Feet from S/N (circle one) Line of Section
1620 Feet from E/W (circle one) Line of Section

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

Lease Name Sleeper Well # 4

Field Name Salt Marsh South

Producing Formation LKC

Elevation: Ground 1757 KB 1746

Total Depth 3670' PBTD 3540'

Amount of Surface Pipe Set and Cemented at 463 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 3-24-93
(Data must be collected from the Reserve Pit)

Chloride content 11,229 ppm Fluid volume 640 bbls

Dewatering method used Hauled

Location of fluid disposal if hauled offsite: _____

Operator Name Hallwood Petroleum, Inc.

Lease Name Sleeper #2 License No. 3613

NE Quarter Sec. 4 Twp. 22 S Rng. 11 E/W

County Stafford Docket No. D-25,528

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 Marvin Ball

Title Sr. Eng. Tech. Date 3/10/93

Subscribed and sworn to before me this 10th day of March 1993.

Notary Public Ann M. Christian

Date Commission Expires 9/1/93

RECEIVED
K.C.C. OFFICE USE ONLY
Director of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
MAR 12 1993
WICHITA, KANSAS

3-12-93

PI

SIDE TWO

Operator Name Hallwood Petroleum, Inc. Lease Name Sara Sleeper Well # 4

Sec. 4 Twp. 22 Rge. 11 East West County Stafford

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

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 DIGL, CDL/DSH
 MICRO
 CORAL

Log Formation (Top), Depth and Datum Sample

Name	Top	(TUD) Datum
Topeka	2677	-920
Toronto	2987	-1230
Lansing	3124	-1367
Base KC	3372	-1615
Viola	3393	-1636
Arbuckle	3465	-1708

*Logs are written
directional drilled*

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
Conductor	15"	13 3/8	48	20'	60/40 poz	35	3% cc
Surface	12 1/4"	8 5/8	24	463	60/40 poz	240	3% cc 2% gel
						85	3% cc
Production	7 7/8"	5 1/2	15.5#	3661	common	100	5% EA2 10% salt .75% Halid 322
						125	5% EA2 10% salt .75% Halid 322 5 lb/sk Gilsonite 1/4 lb/sk Flocele

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	3571-3, 3560-2, 3552-4	5500 gals, 15% NE	3504-10 3482-98
2	3504-10, 3482-98		
	3349-52, 3359-65, 3340-8	750 gals, 15% NE	3449-52
	3278-83, 3244-48	3,500 gals, 15% NE	3359-65 3340-48
		1,250 gals, 15% NE	3278-83
		1,000 gals, 15% NE	3244-48

TUBING RECORD

Size <u>27/8</u>	Set At <u>3533</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Date of First, Resumed Production, SMD or Inj. <u>1/27/93</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil <u>27</u>	Bbls.	Gas <u>0</u>	Mcf	Water <u>22</u>	Bbls.	Gas-Oil Ratio <u>-0-</u>	Gravity

Operator Name Hallwood Petroleum, Inc. Lease Name Sara Sleeper Well # 4

East County Stafford

Sec. 4 Twp. 22 Rge. 11 West

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.

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	<u>3234-3496</u>
	<input type="checkbox"/> Other (Specify) _____	_____

RECEIVED
STATE CORPORATION COMMISSION
MAR 12 1993
CONSERVATION DIVISION
Wichita, Kansas



INVOICE

HALLIBURTON SERVICES

A Halliburton Company

15-195-22852-0106 298943 11/30/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
SLEEPER 4		STAFFORD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	TICKET DATE
GREAT BEND		ALLEN DRILLING CO		CEMENT SURFACE CASING	11/30/1992
ACCT NO	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO
355880	RICKEY POPP			COMPANY TRUCK	43348

AFE #1122009
800.040

HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA					
000-117	MILEAGE	24	MI	2.80	82.40
001-016	CEMENTING CASING	1	UNT		
		163	FT	515.00	515.00
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	90.00	90.00
40	CENTRALIZER 8-5/8" X 12.25"	1	EA	82.00	82.00
807.93059					
504-308	STANDARD CEMENT	144	SK	6.56	944.64
508-105	POZMIX A	7104	LB	.052	369.41
508-121	HALLIBURTON-GEL 2%	4	LB	.00	N/C
509-408	ANHYDROUS CALCIUM CHLORIDE	6	SK	26.50	159.00
504-308	STANDARD CEMENT	51	SK	6.56	334.56
508-105	POZMIX A	2516	LB	.052	130.83
509-408	ANHYDROUS CALCIUM CHLORIDE	2	SK	26.50	53.00
500-207	BULK SERVICE CHARGE	341	CFT	1.15	392.15
500-308	MILEAGE CMTG MAT DEL OR RETURN	348.036	TMI	.80	278.43
INVOICE SUBTOTAL					3,391.42
DISCOUNT-(BID)					610.45-
INVOICE BID AMOUNT					2,780.97
*-KANSAS STATE SALES TAX					107.25
*-BARTON COUNTY SALES TAX					21.89
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					3,210.11

RECEIVED
STATE CORPORATION COMMISSION
MAR 12 1993
CONSERVATION DIVISION
Wichita, Kansas

FORM 1908 R-11

WELL NO.-FARM OR LEASE NAME 24 Sleeper		COUNTY Stafford	STATE KS	CITY / OFFSHORE LOCATION	DATE 11-30-92
CHARGE TO Hallwood Pet		OWNER Same	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Allen	LOCATION 1 1st Bend	CODE 25520	
CITY, STATE, ZIP		SHIPPED VIA House	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2 Pratt	CODE 15555
WELL TYPE 01	WELL CATEGORY 02	WELL PERMIT NO.	DELIVERED TO location	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB 010		ORDER NO. B-573012	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	24	mi			2.60	62	40
001-016		1		Pump						515	00
030-503		1		95/8 plug	1	cp				90	00
H0	707193059	1		Centralizer 5.4	1	2 cp			1200	124	00
										62	00

RECEIVED
 STATE CORPORATION COMMISSION

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-573012** MAR 12 1993 **7662 02**

WAS JOB SATISFACTORILY COMPLETED? _____
 WAS OPERATION OF EQUIPMENT SATISFACTORY? _____
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____
 x **Rickey Papp**
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
[Signature]
 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.

M Kumpf
 HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CONSERVATION DIVISION
 Wichita, Kansas

SUB TOTAL **3391 42**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73530

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

15-185-22852-0100

FOR INVOICE AND
TICKET NO. **298943**

ORIGINAL

DATE 11-30-92	CUSTOMER ORDER NO.	WELL NO. AND FARM 4 SLEEPER	COUNTY STAFFORD	STATE KS
CHARGE TO HALLWOOD PETROLEUM		OWNER SAME	CONTRACTOR ALLEN DRIG CO	No. B573012
MAILING ADDRESS		DELIVERED FROM BRATT, KS.	LOCATION CODE 25555	PREPARED BY DON PARADIS
CITY & STATE		DELIVERED TO LOCATION	TRUCK NO. 3693/7488	RECEIVED BY <i>M. King</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT		
		L	D		QTY.	MEAS.	QTY.	MEAS.				
504-308	516.00261			STANDARD CEMENT BLENDED 60%	144	sk			6.56	944	64 ✓	
506-105	516.00286			FOZMIX "A" BLENDED 40%	7104	lb			.052	369	41 ✓	
506-121	516.00259			HALLIBURTON GEL 2% ALLOWED	4	sk					N/C	
509-406	890.50812			CALCIUM CHLORIDE BLENDED 3%	6	sk			26.50	159	00 ✓	
504-308	516.00261			STANDARD CEMENT BLENDED 60%	51	sk			6.56	334	56 ✓	
506-105	516.00286			FOZMIX "A" BLENDED 40%	2516	lb			.052	130	83 ✓	
509-406	890.50812			CALCIUM CHLORIDE BLENDED 3%	2	sk			26.50	53	00 ✓	
					Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES	TON MILES	STATE CORPORATION COMMISSION		
					SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET	MAR 12 1993			
500-207		SERVICE CHARGE						CU. FEET	CONSERVATION REGION 392 15 ✓			
500-306		Mileage Charge	29003 TOTAL WEIGHT		24 LOADED MILES	348.036 TON MILES		.80	778 43 ✓			
No. B 573012		CARRY FORWARD TO INVOICE					SUB-TOTAL		2662 02			

DISTRICT Prgh M

ORIGINAL

DATE 11-30-92

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

WELL NO. H LEASE Sleeper SEC. 4 TWP. 22 RANGE 11
FIELD _____ COUNTY Stafford STATE Ks OWNED BY Sam

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.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement 9 5/8 casing

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:

- 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.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

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

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are lost, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED
MAR 12 1993

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

SIGNED _____ DATE: 11-30-92 TIME 2:00 A.M. P.M.

CUSTOMER Hollwood Pet Lease Stepper
 WELL NO. 4
 JOB TYPE Surface

WELL DATA

FIELD _____ SEC 4 TWP D2 RNG 11 COUNTY Stafford STATE OK

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						
LINER		<u>24</u>	<u>7 5/8</u>	<u>0</u>	<u>462</u>	
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-30</u>	DATE <u>11-30</u>	DATE <u>11-30</u>	DATE <u>11-30</u>
TIME <u>11:00</u>	TIME <u>1:00</u>	TIME <u>2:00</u>	TIME <u>5:00</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	<u>2</u>	<u>Hawco</u>
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Ranley</u>	<u>85926</u>	
<u>Kranz</u>	<u>26414</u>	<u>Get Band</u>
	<u>3471</u>	
	<u>3693</u>	
<u>Monchans</u>	<u>7499</u>	<u>Pratt</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-⁰API

DISPL. FLUID _____ DENSITY _____ LB/GAL-⁰API

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 _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT Cement

DESCRIPTION OF JOB Cement Surface

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Ranley Papp

HALLIBURTON OPERATOR M. Kayil COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>240</u>	<u>40/60</u>		<u>B</u>	<u>2% Gel 3% cc</u>	<u>1.27</u>	<u>14.3</u>
	<u>95</u>	<u>"</u>		<u>-1</u>	<u>3% cc</u>	<u>1.09</u>	<u>15.25</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 28.1

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL-GAL 20.6

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL 98.7

AVERAGE RATES IN BPM _____ REMARKS _____

TREATING _____ DISPL. _____ CEMENT LEFT IN PIPE _____ OVERALL _____

FEET 20 REASON Request

RECEIVED

MAR 12 1993

CONSERVATION DIVISION
 Oklahoma, Kansas



HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE

INVOICE NO.	DATE
298965	12/07/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
LEEPER 4	STAFFORD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
REAT BEND	ALLEN DRILLING CO	CEMENT PRODUCTION CASING	12/07/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
55880	GEORGE HUTTON		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	43766

AFE # 1122009
805.040
HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	RICING AREA - EASTERN AREA1 MILEAGE	24	MI	2.60	62.40
		1	UNT		
001-016	CEMENTING CASING	3673	FT	1,240.00	1,240.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5 1/2	IN	60.00	60.00 *
		1	EA		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00 *
825.205					
4A	FLOAT COLLAR-SSII-5-1/2 8RD	1	EA	253.00	253.00 *
836.07100					
509-968	SALT	1000	LB	.10	100.00
018-317	SUPER FLUSH	12	SK	98.00	1,176.00
504-308	STANDARD CEMENT	100	SK	6.56	656.00 *
508-127	CAL SEAL	5	SK	19.70	98.50 *
509-968	SALT	450	LB	.10	45.00
507-775	HALAD-322	71	LB	6.30	447.30 *
504-308	STANDARD CEMENT	125	SK	6.56	820.00 *
508-291	GILSONITE BULK	625	LB	.35	218.75 *
508-127	CAL SEAL	6	SK	19.70	118.20 *
509-968	SALT	600	LB	.10	60.00
507-775	HALAD-322	88	LB	6.30	554.40 *
507-210	FLOCELE	31	LB	1.30	40.30 *
500-207	BULK SERVICE CHARGE	270	CFT	1.15	310.50 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	289.68	TMI	.80	231.74 *

INVOICE SUBTOTAL

DISCOUNT-(BID)
INVOICE BID AMOUNT

*-KANSAS STATE SALES TAX

***** CONTINUED ON NEXT PAGE *****

6,613.09

RECEIVED

5,621.13
MAR 12 1993
161.30

CONSERVATION DIVISION
Wichita, Kansas

AFFIX JOB TKT

TERMS 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

P.O. BOX 951046
DALLAS, TX 75395-1046



HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE

INVOICE NO.	DATE
298965	12/07/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
LEEPER 4		STAFFORD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
REAT BEND	ALLEN DRILLING CO.	CEMENT PRODUCTION CASING		12/07/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55880	GEORGE HUTTON			COMPANY TRUCK	43766

HALLWOOD PETROLEUM, INC.
915 PATTON ROAD
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	*-BARTON COUNTY SALES TAX				32.92
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$5,815.35

AFFIX JOB TKT TERMS 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

HALLIBURTON SERVICES
Duncan, Oklahoma 73838

A Division of Halliburton Company

15-185-22852-0100

TICKET

NO. 298965-7

ORIGINAL

FORM 1906 R-11

WELL NO.-FARM OR LEASE NAME 4 Sleeper		COUNTY STAFFORD	STATE Ks.	CITY / OFFSHORE LOCATION	DATE 12-7-92
CHARGE TO Hallwood Petroleum		OWNER	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 Allen Drlg #4	LOCATION 1 Gr. Bend, Ks.		CODE 25520
CITY, STATE, ZIP		SHIPPED VIA HOWCO TRUCKS.	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 PRATT, Ks.
WELL TYPE		WELL PERMIT NO.	DELIVERED TO LOC		LOCATION 3
TYPE AND PURPOSE OF JOB 035		ORDER NO. B-573025	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	24	mi			2.60	62	40
001-016		1		Pump Chg. 3673'	8	hr				1240	80
030-018		1		Plug Top (5W)	1	EA	5 1/2"			60	00
12A	825.205	1		Guide Shoe	1	EA	5 1/2"			121	00
4A	836.07100	1		Super Seal II	1	EA	5 1/2"			253	00
509-968		1		SALT	1000	#			.10	100	00
018-317		1		Super Flush	12	sr			99.00	1176	00

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-573025

RECEIVED
STATE OF KANSAS
12 1992

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X **George Hutton**
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X **George Hutton**
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.

D. Brozek (1)
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

RECEIVED
MAR 12 1993
SUB TOTAL 6,613.09
CONSERVATION APPLICABLE TAXES WILL BE ADDED ON INVOICE.
Wichita, Kansas



**BULK MATERIALS DELIVERY
AND
TICKET CONTINUATION**

15-185.22852.0100

FOR INVOICE AND
TICKET NO.

298965

A Division of Halliburton Company
DUNCAN, OKLAHOMA 73536

ORIGINAL

DATE 12-07-92	CUSTOMER ORDER NO.	WELL NO. AND FARM 4 SLEEPER	COUNTY STAFFORD	STATE KS
CHARGE TO HALLWOOD PETROLEUM		OWNER SAME	CONTRACTOR ALLEN DRIG CO No. B573025	
MAILING ADDRESS		DELIVERED FROM PRATT, KS.	LOCATION CODE 25555	PREPARED BY DON PARADIS
CITY & STATE		DELIVERED TO LOCATION	TRUCK NO. 2656/6660	RECEIVED BY <i>D. Brozek</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261			STANDARD CEMENT	100	sk			6.56	656	00
508-127	890.50131			CALSEAL BLENDED 5%	5	sk			19.70	98	50
509-968	516.00158			SALT BLENDED 10%	450	lb			.10	45	00
507-775	516.00144			HALAD-322 BLENDED .75%	71	lb			6.30	447	30
504-308	516.00261			STANDARD CEMENT	125	sk			6.56	820	00
508-291	516.00337			GILSONTIE BLENDED 5#	625	lb			.35	213 227	75 50
508-127	890.50131			CALSEAL BLENDED 5%	6	sk			19.70	118	20
509-968	516.00158			SALT BLENDED 10%	600	lb			.10	60	00
507-775	516.00144			HALAD-322 BLENDED .75%	88	lb			6.30	554	40
507-210	890.50071			ELOCELE BLENDED 1/4#	31	lb			1.30	40	30

		Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES	
			SERVICE CHARGE ON MATERIALS RETURNED		CU. FEET	
500-207			SERVICE CHARGE		CU. FEET 270	STATE 1.15
500-306		Mileage Charge	24,140 TOTAL WEIGHT	24 LOADED MILES	289.68 TON MILES	.80
No. B 573025		CARRY FORWARD TO INVOICE			SUB-TOTAL	

RECEIVED
STATE FUNDATION COMM SSI
MAR 12 1993
SERVADIR...
Wichita...

ORIGINAL DATE 12-7-92

DISTRICT Pratt

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

WELL NO. 4 LEASE Sleeper SEC. 4 TWP. 22 RANGE 11

FIELD _____ COUNTY Stafford STATE Ks. OWNED BY _____

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, 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 Run 5 1/2" Csg w/100sx std EA-2 10% SALT. 75% HALAD 322 + 125sx std EA-2 10% SALT. 75% HALAD 322, 50 BBL SALT FLUSH 12 BBL SUPERFLUSH

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 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.
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.
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.

RECEIVED STATE CORPORATION COMMISSION

MAR 12 1993

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED [Signature] CUSTOMER DATE 12-7-92 TIME 1200 A.M. P.M.

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.

WELL DATA

FIELD _____ SEC. 4 TWP. 22 RNG. 11 COUNTY STAFFORD STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO 10238

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>N</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>3673.64</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>KB</u>	<u>3670</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-7-92</u>	DATE <u>12-7</u>	DATE <u>12-7</u>	DATE <u>12-7</u>
TIME <u>0630</u>	TIME <u>0900</u>	TIME <u>11030</u>	TIME <u>1745</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>SUPER SEAL II</u>	<u>1</u>	<u>HOWCO</u>
FLOAT SHOE		
GUIDE SHOE	<u>1</u>	<u>"</u>
CENTRALIZERS <u>COMP.</u>		
BOTTOM PLUG		
TOP PLUG <u>SW TOP</u>	<u>1</u>	<u>"</u>
HEAD <u>P.C.</u>	<u>1</u>	<u>"</u>
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>D. BROZEK</u>	<u>56337</u>	<u>RCM</u>
<u>W. WILSON</u>	<u>89377</u>	<u>51936</u>
	<u>BULK</u>	<u>GRATBOW, KS</u>
<u>K. GATES</u>	<u>2656-6660</u>	<u>PRATT, KS</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENISTY _____ 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 _____

DEPARTMENT CEMST

DESCRIPTION OF JOB 5 1/2" LOW STRENGTH

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>100</u>	<u>STANDARD</u>	<u>EA-2</u>	<u>B</u>	<u>5% EA2, 10% SALT, 1.75% HALAD 322</u>	<u>1.26</u>	<u>15.86</u>
	<u>125</u>	<u>STANDARD</u>	<u>CA-2</u>	<u>B</u>	<u>5% EA2, 10% SALT, 1.75% HALAD 322</u>		
					<u>5 LBS GDSWIRE PLSK, 1/4" FLOCC PLSK</u>	<u>1.36</u>	<u>15.36</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH BBL 50 - 12 TYPE SALT-SUPERFLOSH

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL. _____ PAD: BBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL. _____ DISPL: BBL 86.91

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY BBL 22.4 - 30.3 = 52.7

ORDERED _____ AVAILABLE _____ USED _____ TOTAL VOLUME: BBL-GAL. _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 20' REASON FLOAT COLLAR

REMARKS

15 SKS LEAD CEMENT IN RATHOLE 10' DIA

1000 LBS SALT FOR PREFLOSH Super Seal Float

@ 3043'

RECEIVED
MAR 12 1993

JOB LOG

WELL NO. 4 LEASE Sleeper TICKET NO. 298465
 CUSTOMER Hallwood Petroleum PAGE NO. 1
 FORM 2013 R-2 15-185-22852-0100 JOB TYPE Cnt 5 1/2" Csq DATE 12-7-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							Called Out
	0900							ON Loc.
	1639	8	50			100		Pump Salt Flush
	1645		3			100		SPACER
	1646	8	12			100		Pump Super Flush
	1651	8	3			100		SPACER
	1652	2	3.5			100		Plug Rnt Hole
	1700	6	22			100		Mix cnt 100sx
	1704	6	30			100		Mix cnt 125sx
	1709		0			0		Release Plug
	1714		0			0		start Disp
	1725	8	86.91			1000		Plug Down by wireline
	1727		-			0		Float Held
	1730							Wash up TRUCK
								Job Complete
								D. Brozek
								W. Wilson

ORIGINAL