

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

Operator: License # 3613

Name: HALLWOOD PETROLEUM, INC.

Address 4582 S. Ulster St. Pkwy

Suite 1700

City/State/Zip Denver, CO 80237

Purchaser: _____

Operator Contact Person: Nonya K. Durham

Phone (303) 850-6257

Contractor: Name: ALLEN DRILLING COMPANY

License: 5418

Wellsite Geologist: JAMES MUSGROVE

Designate Type of Completion Jim Musgrove
 New Well Re-Entry Workover

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

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

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

8/04/95 8/09/95 8/31/95
Spud Date Date Reached TD Completion Date

API NO. 15- 167-231020000

County Russell

NE - SW - NE Sec. 29 Twp. 11 Rge. 15W E W

1650 Feet from N (circle one) Line of Section

1650 Feet from E (circle one) Line of Section

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

Lease Name BOOTH "B" Well # 4

Field Name Fairport North

Producing Formation L-KC Queen Hill & Topeka

Elevation: Ground 1769' KB 1774'

Total Depth 3296' PBD 3195

Amount of Surface Pipe Set and Cemented at 840 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 JK 5-6-97
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 300 bbls

Dewatering method used natural reevaporation

Location of fluid disposal if hauled offsite: _____
STATE CORPORATION COMMISSION

OCT 9 1995

Operator Name _____

Lease Name _____

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 Nonya K. Durham
Title Production Technician Date 10/5/95

Subscribed and sworn to before me this 5th day of October, 19 95.

Notary Public Judy E. Atkins

Date Commission Expires 4/19/97

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

Operator Name HALLWOOD PETROLEUM, INC. Lessee Name BOOTH "B" Well # 4

Sec. 29 Twp. 11S Rge. 15 East West county Russell

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:
Dual Spaced Cement Bond Log
Dual Induction
Dual Spaced Neutron Spectral Density
MICRO

Name	Top	Datum
Topeka	2619	(- 845)
Queen Hill	2798	(-1024)
Queen Hill	2814	(-1040)
L-KC "B"	2919	(-1145)
L-KC "C"	2937	(-1163)
L-KC "F"	2967	(-1193)
L-KC "J"	3078	(-1304)
L-KC "K"	3106	(-1332)

CASING RECORD <input 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"	23 #	840'	Lite 60/40 poz	250	3% CC
production	7-7/8"	5-1/2"	15.5#	3295'	Lite EA2	220	

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	3195	CIBP	N/A	N/A

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 spf	2619 - 3110'	Producing	See attached
4 spf	3260 - 3216'	Plugged off w/CIBP at 3195'		

TUBING RECORD Size 2 7/8" Set At 3190' Packer At None Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 9/1/95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3.5	-0-	350	----	36

Disposition of Gas: None Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval 2619 - 3110'

ORIGINAL

ATTACHMENT

ACO-1 Well History

Booth "B" #4
Russell County, Kansas

15-167-23102 - 0000

4 spf	Topeka	2619 - 25'	750 gal 15% NE w/Clay Stay
4 spf	Queen Hill	2798 - 2810'	1200 gal 15% NE acid w/Clay Stay
4 spf	Queen Hill	2814 - 20'	1000 gal 15% NE w/Clay Stay
4 spf	L-KC "B"	2919 - 24'	500 gal 15% NE w/Clay Stay
4 spf	L-KC "C"	2937 - 39'	750 gal 15% NE w/Clay Stay
4 spf	L-KC "F"	2967 - 70'	750 gal 15% NW w/Clay Stay
4 spf	L-KC "J"	3078 - 82'	1000 gal 15% N w/Clay Stay
4 spf	L-KC "K"	3106 - 10'	1000 gal 15% NW w/Clay Stay

CIBP @ 3195'

4 spf	Arbuckle	3260 - 62'	500 gal 15% NE w/Clay Stay
4 spf	Cong Chert	3230 - 36'	
4 spf	Cong Sand	3212 - 16'	350 gal mud acid

CUSTOMER COPY



HALLIBURTON

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

INVOICE NO.	DATE
839788	08/05/1995

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
BOOTH "B" 4		RUSSELL		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
HAYS	ALLEN DRILLING 3	CEMENT SURFACE CASING		08/05/1995	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55880	DUANE ACHTERBERG			COMPANY TRUCK	94290

ORIGINAL

HALLWOOD PETROLEUM, INC.
P.O. BOX 404
PLAINVILLE, KS 67663-0404

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL, KS 67905-0000

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	60	MI	2.75	165.00
		1	UNT		
001-016	CEMENTING CASING	841	FT	890.00	890.00
		1	UNT		
030-503	TOP PLUG	8 5/8	IN	95.00	95.00
		1	EA		
116-202	MEASURING LINE	1	EA	235.00	N/C
504-316	CEMENT - HALL. LIGHT STANDARD	250	SK	8.03	2,007.50
504-136	CEMENT - 40/60 POZMIX STANDARD	250	SK	7.16	1,790.00
506-121	HALLIBURTON-GEL 2%	400	LB	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	36.75	441.00
507-210	FLOCELE	63	LB	1.65	103.95
500-207	BULK SERVICE CHARGE	528	CFT	1.35	712.80
500-306	MILEAGE CMTG MAT DEL OR RETURN	647.970	TMI	.95	615.57

INVOICE SUBTOTAL

6,820.82

DISCOUNT-(BID)

1,705.19

INVOICE BID AMOUNT

5,115.63

*-KANSAS STATE SALES TAX

211.90

*-HAYS CITY SALES TAX

43.26

Booth B-4
11130.000
5142003
800.040
Laurin

RECEIVED
KANSAS CORP COMM
AUG 15 1995
10:30 AM

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

\$5,370.79

AFFIX JOB TKT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer

FORM HAL-1900-F

PAGE: 1

WELL DATA

FIELD _____ SEC 29 TWP. 11s RNG. 15w COUNTY Russell 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 842

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>u</u>	<u>23</u>	<u>85/8</u>	<u>0</u>	<u>84</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-5</u>	DATE <u>8-5</u>	DATE <u>8-5</u>	DATE <u>8-5</u>
TIME <u>10:30</u>	TIME <u>11:30</u>	TIME	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Palmberg 41489</u>	<u>39604</u>	<u>HAYS</u>
<u>G. Messing 52160</u>	<u>51145</u>	<u>HAYS</u>
<u>D. Berland 61512</u>	<u>4444</u>	<u>HAYS</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS <u>S-4 85/8</u>	<u>2</u>	<u>HES</u>
BOTTOM PLUG		
TOP PLUG <u>L-11 85/8</u>	<u>1</u>	<u>HES</u>
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 _____

DEPARTMENT CEMENT
DESCRIPTION OF JOB CEMENT SURFACE CAG

CEMENT DID CIRCULATE

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X. Deane O. Carterberg

HALLIBURTON OPERATOR G. Palmberg COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>250</u>	<u>HLC</u>		<u>B</u>	<u>3% CC 1/4% Floc 6/sk</u>	<u>184</u>	<u>12.4</u>
	<u>250</u>	<u>40/60 Pozmix A</u>		<u>B</u>	<u>3% CC</u>	<u>127</u>	<u>14.4</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 21 REASON To be drilled

PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 52
CEMENT SLURRY: BBL.-GAL. 139
TOTAL VOLUME: BBL.-GAL. 181

REMARKS

SEE SOB Log.
Thank you
Had. Day; Dong

CUSTOMER: Hallwood Petroleum
LEASE: Booth
WELL NO.: B-4
JOB TYPE: Surface
DATE: 8-5-95

CUSTOMER	Hallwood Pet	WELL NO.	B-4	LEASE	Booth	JOB TYPE	Surface
----------	--------------	----------	-----	-------	-------	----------	---------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							Called out
	1130							On location ORIGINAL
								Rig pulling Rt
								Set up equipment
	1230							Start 8 5/8" 23" Csg in hole
								Casing on bottom
	1400							Rig up to circulate
								Rig up to pump truck
	1420							Start mixing cement
								250 sk HLC 3% CC 1/4" flocc 1 sk
								250 sk 40/60 loz mix A 2% CC 2% CC
	1445							Cement mixed
								Release plug
	1447							Start Displacement
	1500							Plug down @ 820
								put measuring line out of hole
								Close in @ well head
								Wash up
								Rack up
								Job completed
								Cement Did Circulate

RECEIVED
 TARRANT COUNTY COMM
 09/11/95 5 03 01

Thank you

Neil Tony's Doug

FROM: HES HAYS SERVICE CENTER

FAX NO.: 1 913 625 2536

APR 28 '97 09:07AM.06



HALLIBURTON ORIGINAL

DALLAS, TX 75235-1040

INVOICE

839 07 08/10/1995

BOOTH "B" 4		RUSSELL	KS	SARE
HAYS	ALLEN DRILLING	CEMENT PRODUCTION CASING		08/10/1995
355880	CERARD ACHATZ		COMPACT TRUCK	94505

HALLWOOD PETROLEUM, INC.
DENVER, CO 80237

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598

DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
PRICING AREA - MID CONTINENT				
000-117 MILEAGE CEMENTING ROUND TRIP	60	MI	2.75	165.00
	1	UNT		
001-016 CEMENTING CASING	3293	FT	1,500.00	1,500.00
	1	UNT		
030-018 CEMENTING PLUG SW. PLASTIC TOP	5	1/2 IN	65.00	65.00
	1	EA		
12A GUIDE SHOE - 5 1/2" 6RD THD.	1	EA	121.00	121.00
825.205				
24A INSERT FLOAT VALVE - 5 1/2" BND	1	EA	110.00	110.00
815.19251				
27 FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00
815.19315				
40 CENTRALIZER-S-1/2 X 6-3/4	7	EA	60.00	420.00
806.60034				
66 PASGRIP LIMIT CLAMP 5 1/2"	1	EA	12.00	12.00
807.64031				
350 HALLIBURTON WELD-A	1	EA	14.50	14.50
890.10802				
019-241 CASING SWIVEL W/O WALL CLEANER	1	JOB	185.00	185.00
504-308 CEMENT - STANDARD	225	SK	8.85	1,993.50
504-316 CEMENT - HALL. LIGHT STANDARD	120	SK	8.03	963.60
507-277 HALLIBURTON-GEL BENTONITE	4	SK	18.60	74.40
509-968 SALT	1000	LB	.15	150.00
507-775 HALAD-322	159	LB	7.00	1,113.00
509-127 CAL SEAL 60	11	SK	25.90	284.90
508-291 GILSONITE BULK	1125	LB	.40	450.00
507-210 FLOCELE	56	LB	1.65	92.40
500-207 BULK SERVICE CHARGE	409	CFT	1.35	552.15
500-306 MILEAGE CMTG MAT DEL. OR RETURN	532.170	THI	.95	505.96
INVOICE SUBTOTAL				8,827.01

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

AFFIX JOB TKT

TERMS: Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest (annual) contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

FORM HAL-1900-F

PAGE: 1

RECEIVED KANSAS CORP COMP

FROM: HES HAYS SERVICE CENTER

FAX NO.: 1 913 625 2536

APR 28 '97 09:07AM.07



HALLIBURTON ORIGINAL

DALLAS, TX 75395-1046

INVOICE

907 08/10/199

BOOTH "B" 4	RUSSELL	XS	SAME
HAYS	ALLEN DRILLING	CEMENT PRODUCTION CASING	08/10/199
356000	GERALD RCHATZ		COMP NY TRUCK 9458

HALLWOOD PETROLEUM, INC.
4562 S ULSTER PKWY, STE. 1700
DENVER, CO 80237

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL, KS 67905 0000

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
---------------	-------------	----------	------------	--------

DISCOUNT-(BID)
INVOICE BID AMOUNT

2,206.73-
6,610.28

*-KANSAS STATE SALES TAX
*-HAYS CITY SALES TAX

250.09
51.22

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

86,922.39

AFFIX JOB TKT

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FORM HAL-1800-F

PAGE: 2

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HALLIBURTON ENERGY SERVICES

HAL-1006-N

SERVICE LOCATIONS

1. Nays Ks 25525

WELL/PROJECT NO

#4

LEASE

Booth B

COUNTY/PARISH

Russell

STATE

KS

CITY/OFFSHORE LOCATION

same

DATE

8-10-95

OWNER

same

SERVICE JOB? YES NO

SALES

WELL TYPE

01

ALLOW DRYS

WELL CATEGORY

01

ALLOW DRYS

JOB PURPOSE

035

VAL

CT

well site

WELL PERMIT NO.

WELL LOCATION

29-11-15

REFERRAL LOCATION

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DP		QTY.	U/M	QTY.	U/M	
000-117		1		25	MILEAGE 51374 RCM Rt.	1	unit	60	mi	165.00
001-016		1		25	Pump Service	3293	FT			1500.00
030-018		1		25	Plug 5-wiper	1	EA	5	1/2 in	65.00
13A	825.205	1		25	Reg guide shoe	1	EA	5	1/2 in	125.00
24A	815.19251	1		25	Insert float shoe	1	EA	5	1/2 in	110.00
27	815.19315	1		25	fillup	1	EA			55.00
40	806.60924	1		25	5.4 cent	2	EA	5	1/2 in	60.00
66	807.64031	1		25	Limit Clamp	1	EA	5	1/2 in	12.00
350	890.10802	1	51	25	weld A	1	EA			14.50
019-241		1		25	Casing swivel	1	EA	5	1/2 in	185.00

ORIGINAL

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

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

DATE SIGNED: 8-10-95
 TIME SIGNED: 10:30 P.M.
 SIGNATURE: [Signature]

SUB SURFACE SAFETY VALVE WAS
 PULLED & RETURN PULLED RUN

TYPE LOCK: _____ DEPTH: _____

BEAR SIZE: _____ SPACERS: _____

TYPE OF EQUALIZING SUB: _____ CASING PRESSURE: _____

DRIBBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TYPE CONNECTION: _____ TYPE VALVE: _____

SURVEY

DOES EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UN-DECEDED DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS? AGREE UN-DECEDED DIS-AGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY? AGREE UN-DECEDED DIS-AGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? AGREE UN-DECEDED DIS-AGREE

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 2647.15

FROM CONTINUATION PAGE(S): 6178.15

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Gerald Schatz
 CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): [Signature]
 HALLIBURTON OPERATOR/ENGINEER: Allen F. Wood
 EIAP #: 26101
 HALLIBURTON APPROVAL: [Signature]

APR-28-'97 MON 10:21 ID: HALLWOOD--GB KANSAS TEL NO: HALLWOOD--GB KANSAS #745 P04 FAX NO.: 1 913 625 2536 FROM: HES HAYS

CHARGE TO: Hallwood Pet
 ADDRESS: 4582 S. Ulster Pkwy. Suite 1700
 CITY STATE ZIP CODE: Denver Colo 80227

No. 839907-12

RECEIVED KANSAS
 PAGE 1 OF 2

HALLIBURTON

SUMMARY

HALLIBURTON LOCATION

HAYS Ks

BILLET TICKET

839507

WELL DATA

FIELD _____ SEC 29 TWP 11 RANG 15 COUNTY Russell Co 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
PAULSON TYPE _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH _____

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAXIMUM PSI ALLOWABLE. Rows: CASING, LINER, TUBING, OPEN HOLE PERFORATIONS, PERFORATIONS.

JOB DATA

Table with columns: CALLED OUT, ON LOCATION, JOB STARTED, JOB COMPLETED. Includes dates and times for 8/10/95.

PERSONNEL AND SERVICE UNITS

Table with columns: NAME, UNIT NO. & TYPE, LOCATION. Lists personnel: A. J. Worth, W. W. Loran, T. Pfannistle.

ORIGINAL

RECEIVED
KANSAS CONT. CORP.

TOOLS AND ACCESSORIES

Table with columns: TYPE AND SIZE, QTY., MAKE. Lists tools like 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.
ACID TYPE _____ GAL. _____ %
SURFACTANT 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 _____

DEPARTMENT: Cust
DESCRIPTION OF JOB: Cust 5 1/2 C.S.
JOB DONE THRU: TUBING [] CASING [X] ANNULUS [] TSG. ANN. []
CUSTOMER REPRESENTATIVE: X Herald
HALLIBURTON OPERATOR: Allen F. Wanda

CEMENT DATA

Table with columns: STAGE, NUMBER OF SACKS, CEMENT, BRAND, BULK SACKED, ADDITIVES, YIELD U.F.T. SK, MIXED LBS./GAL. Includes stages 120 and 225.

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURISH: BBL. GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BRDN: BBL. GAL. _____ PAD BBL. GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL. GAL. _____ DISPL. BBL. GAL. 77.89
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____ CEMENT SLURRY: BBL. GAL. 97.28
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. GAL. _____

REMARKS

ORDERED _____ AVAILABLE _____ USED _____
TREATING _____ DISPL. _____ CEMENT LEFT IN PIPE _____
FEET 20.41 REASON Shoe It.
REMARKS: See Job Log sheet
thanks Allen, Wayne, Tim.

CUSTOMER: Halliburton Pct
JOB TYPE: C.S.
DATE: 8-10-95



DATE	PAGE NO.
4/10-95	1
TICKET NO.	
839907	

JOB LOG HAL-2012-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE
Hallwood	#4	Booth R	5 1/2 L.S.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	0400							called out
	0623							allocation w/ Equip - BIK cont 120 sks HLG w/ 9% gel 225 sks std w/ 5% cal seal, #5 GIL, 1/4" Fluocel/sk, 10% salt D. scusa Safety, set-up + Plan Tub Rig getting Ready to Run 5 1/2 Pipe start 5 1/2 12.5 Pipe Shoe It w/ Guide Shoe + Insert + Fill up in collar cent-in middle of shoe joint then on - 4-8-12-16-20-66 on Bottom w/ 5 1/2 cas. start circ w/ mud bag. Ball goes then @ 1000# PST - Rotate Pip Hook up to Plug Rat Hole. w/ 155 sks HLG 100# Hook up to casing mi 10-20 sks HLG 100# + 225 sks FA-2. Fin mix, washout Pump Line Release S-wiper Plug. 100# start Disp casing cap. 77.89 BBL 900# PST Buibs during Disp. 1000# Plug down - Rotate Pipe During Disp. Release PST Float Holds Job complete.
	0628							
	0825							
	0830							
	0852							
	0855	6 1/2						
	0909							
	0922		97					
	0925	6 1/2						
	1100							

ORIGINAL

RECEIVED
 HALLIBURTON
 10100 5-11-11

Thanks Allen, Wayne, Tim