

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

ORIGINAL

Operator: License # 5285

Name: The Dane G. Hansen Trust

Address P. O. Box 187

City/State/Zip Logan, Kansas 67646

Purchaser: Farmland Industries

Operator Contact Person: Dane G. Bales

Phone (913) 689-4816

Contractor: Name: White & Ellis Drilling, Inc.

License: 5420

Wellsite Geologist: J. E. Jespersen

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  S1OW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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

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

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

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

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

10/31/96 11/8/96 9/18/97  
Spud Date Date Reached TD Completion Date

API NO. 15- 163-232860000

County Rooks

S/2 N/2  
NE - NW - \_\_\_\_\_ Sec. 30 Twp. 8 Rge. 17  E/W

4620 Feet from  NW (circle one) Line of Section

3300 Feet from  EW (circle one) Line of Section

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

Lease Name Bird Well # 16

Field Name Dopita

Producing Formation Kansas City

Elevation: Ground 1981 KB 1986

Total Depth 3550 PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 214' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1321 Feet

If Alternate II completion, cement circulated from 1321'

feet depth to surface w/ 150 sx \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH-2, 4-6-98 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

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.

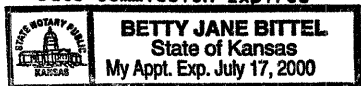
Signature Dane G. Bales  
Title Manager/Trustee Date 10/23/97

Subscribed and sworn to before me this 23 day of October, 19 97.

Notary Public Betty Jane Bittel  
Betty Jane Bittel

Date Commission Expires July 17, 2000.

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 The Dane G. Hansen Trust Lease Name Bird Well # 16  
 Sec. 30 Twp. 8 Rge. 17  East County Rooks  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.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum Anhydrite 1307 +679 B/Anhydrite 1340 +646 Topeka 2886 -900 Heebner 3098 -1112 Toronto 3116 -1130 LKC 3138 -1152 Base/KC 3363 -1377 Arbuckle 3400 -1414 TD 3550 -1564
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E.Logs Run:	Radiation Guard Log	

CASING RECORD <input type="checkbox"/> New <input 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#	214'	60/40	140	2% Gel 3% CC
Production	7 7/8"	5 1/2"		3500'	1st stage Common	150	15% Cal Seal 10% Salt; 5% Gilsonite; 3/4# Halad 322
					2nd Stage Mid Con II	150	2%cc 3/8# Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" 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	
		See Attached Sheet		

<b>TUBING RECORD</b>	Size <u>2 7/8</u>	Set At <u>3472</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	<u>9/18/97</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>4</u> Bbls.	Gas <u>139</u> Mcf	Water <u>139</u> Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas: <input type="checkbox"/> Vented <input 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>3116-3458</u>
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# ORIGINAL

The Dane G. Hansen Trust

Bird #16 - S/2 N/2 NE/4 NW/4, 30-8-17, Rooks County, Kansas

15-163-23286-00-00

DST #1 - 3104-3130 - 15-45-45-45. Rec. 180' GIP; 120' Mud & 60' VSO&WCM.  
ISIP 1009/45. FSIP 591/45. FP's 115-115/115-115.

DST #2 - 3130-3150 - 15-45-45-45. Rec. 190' Drg. Mud. ISIP 1101/45. FSIP 835/45.  
FP's 150-150/150-150.

DST #3 - 3176-3205 - 15-45-45-45. Rec. 2' CO; 30' SOCM. ISIP 770/45. FSIP 659/45.  
FP's 41-41/41-51.

DST #4 - 3214-45. 15-45-45-45. Rec. 2' CO; 50' SO& WCM; 60' WM & 180' Sulfur Wtr.  
ISIP 415/45. FSIP 415/45. FP's 41-61/71-152

DST #5 - 3322-3350. 15-45-15-30. Rec. 10' Mud w/VSSO. ISIP 435/45. FSIP 334/30.  
FP's 30-30/30-30.

## PERFORATION RECORD:

Shots Per Foot	Footage	Acid
4	3116-20	250 gal. 15% Mud Acid + 1500 gal. 15% N.E.
4	3139-43	250 gal. 15% Mud Acid + 1500 gal. 15% N.E.
4	3177-80	250 gal. 15% Mud Acid + 1500 gal. 15% N.E.
4	3192-96	1500 gal. 15% N.E.
4	3214-17	250 gal. 15% Mud Acid
4	3232-36	250 gal. Mud Acid + 1500 gal. <sup>15%</sup> N.E.
4	3232-36 & 3214-17	1500 gal. 15% N.E.
4	3332-35	Attempted to treat w/250 gal. 15% Mud Acid
4	3332-35	500 gal. 15% N.E. + 1500 gal. 15% N.E.
4	3454-58	250 gal. 15% Mud Acid



**HALLIBURTON ENERGY SERVICES**

HAL-1906-P

CHARGE TO: D.G. Hansen  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

CUSTOMER COPY

TICKET

No. **103723 - 4**

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Hays ks 025525</u>	WELL/PROJECT NO. <u>*16</u>	LEASE <u>Bird</u>	COUNTY/PARISH <u>Rooks</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>11-8-96</u>	OWNER <u>Same</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES	CONTRACTOR <u>White &amp; Ellis</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Well 5.4e</u>	ORDER NO.
3.	<input type="checkbox"/> SALES	<input checked="" type="checkbox"/> NO	WELL TYPE <u>01</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO. <u>113-232860000</u>	WELL LOCATION <u>30-8<sup>s</sup>-17<sup>w</sup></u>
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M		
000-117		1			MILEAGE on PT	80	mi	2.99	239.20
007-018	001-014	1			Pump Chg - 1 <sup>st</sup> stage	3500	ft	1545.00	1545.00
007-161		1			Pump Chg 2 <sup>nd</sup> stage	1	ea	1550.00	1550.00
018-315		1			Mud Flush	500	gal	1.65	325.00
018-317		1			Super Flush	1000	ea	1.00	1000.00
					○ Triplex Shoe - Baker	1	ea		1850.00
					○ Centralizers - Fluid Master Baker	6	ea	50.00	\$300.00
					○ Cmt. Baskets Baker	2	ea	110.00	220.00
					○ Stage Collar Baker	1	ea		2500.00
					○ Plug Set Baker	1	ea		N/A

15-163-23286-00-00

10/24/97

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: 11-8-96 TIME SIGNED: 02:00  
 A.M.  P.M.  
 do  do not require IPC (Instrument Protection).  Not offered

SUB SURFACE SAFETY VALVE WAS:  
 PULLED & RETURN  PULLED  RUN

TYPE LOCK \_\_\_\_\_ DEPTH \_\_\_\_\_  
 BEAN SIZE \_\_\_\_\_ SPACERS \_\_\_\_\_  
 TYPE OF EQUALIZING SUB. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ TUBING PRESSURE \_\_\_\_\_ WELL DEPTH \_\_\_\_\_  
 TREE CONNECTION \_\_\_\_\_ TYPE VALVE \_\_\_\_\_

**SURVEY**

AGREE \_\_\_\_\_ UN-DECIDED \_\_\_\_\_ DIS-AGREE \_\_\_\_\_

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL \_\_\_\_\_

FROM CONTINUATION PAGE(S) 6077

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 ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): Ron Hansen  
 CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: [Signature]  
 HALLIBURTON OPERATOR/ENGINEER: John E. Baker EMP #: 43222  
 HALLIBURTON APPROVAL: \_\_\_\_\_



TRX 3859-7613

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 11-8-96

HALLIBURTON ENERGY SERVICES

CUSTOMER Dane G Hanson	WELL Bird #1	DATE 11-8-96	PAGE 25	OF 25
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FORM 1911 R-10

15-163-23286-0000

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-280		1			Mid Con II -	150				12.76	1,914.00
504-308		1			Standard Cement	150				10.05	1,507.50
509-968		1			Salt	650	1b			15	97.50
509-406		1			Calcium Chloride	3				40.75	122.25
507-775		1			Halad- 322	106	1b			7.00	742.00
508-127		1			Cal Seal	7x				25.90	181.30
508-2891		1			Gilsonite	750	1b			40	300.00
507-210		1			Flocale	56	1b			1.65	92.40
500-207		1			SERVICE CHARGE	CUBIC FEET 344				1.35	464.40
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 31,352	LOADED MILES 40	TON MILES 627.040		1.05	658.38

ORIGINAL

No. B 339071

CONTINUATION TOTAL 6,079.74



# JOB SUMMARY

HALLIBURTON DIVISION

HALLIBURTON LOCATION

15-103-23286-00-00

Hays, Ks

BILLED ON TICKET NO. 10072

## WELL DATA

FIELD \_\_\_\_\_ SEC. 30 TWP. 8<sup>s</sup> RNG. 17<sup>w</sup> COUNTY Rooks STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE DVO SET AT 1321'  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>	<u>15.5</u>	<u>5 1/2</u>	<u>KB</u>	<u>3500</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>3500</u>	<u>3600</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-7-96</u>	DATE <u>11-7-96</u>	DATE <u>11-8-96</u>	DATE <u>11-8-96</u>
TIME <u>19:30</u>	TIME <u>23:00</u>	TIME	TIME

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FOOT SHOE <u>Triplex</u>	<u>1</u>	<u>Baker</u>
GUIDE SHOE		
CENTRALIZERS <u>FluidMaster</u>	<u>6</u>	<u>Baker</u>
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER <u>DV</u>	<u>1</u>	<u>Baker</u>
OTHER <u>Bush 7s</u>	<u>2</u>	<u>Baker</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>S Becker</u>	<u>PU 41326</u>	<u>Hays K.</u>
<u>M Karlin</u>	<u>Comb</u>	" "
<u>N Karlin</u>	<u>BT 3859</u>	" "
	<u>7613</u>	

# ORIGINAL

## 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. \_\_\_\_\_  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT Contract  
 DESCRIPTION OF JOB Cont 5 1/2" Prod Cng - 2 Stage

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

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

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>EA-2</u>		<u>B</u>	<u>5% Cal Seal, 10% Salt, 5% G/Seal, 3% H-322</u>	<u>1.44</u>	<u>14.9</u>
<u>2</u>	<u>50</u>	<u>MIDCON II</u>		<u>B</u>	<u>2% LL, 1/2% Flocc</u>	<u>3.22</u>	<u>11.2</u>

## PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_

## SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 935 = 32.2  
 CEMENT SLURRY: BBL.-GAL. 38.5 186  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

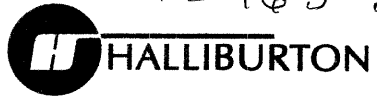
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 21 REASON Shoe Joint

See Job Log  
Check for mid. mud

### FIELD OFFICE

CUSTOMER [Signature]  
 LEASE [Signature]  
 WELL NO. 15-103-23286-00-00  
 JOB TYPE Prod Cng - 2 Stage  
 DATE 11-8-96

15-163-23286-00-00



JOB LOG HAL-2013-C

CUSTOMER D G Hansen WELL NO. #16 LEASE Bird JOB TYPE Cmt Prod. - 2 stage TICKET NO. 103723

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	19:30	1470						Called Out
	23:00							On loc - Rig Laying Down DP Spot & Set up Equip - Discuss Job
	02:45							Start 5 1/2" x 15.5" Csg in Hole 1 Triplex Shoe 6 Centralizers 2 Cmt. Baskets 1 DV Plug Set @ 1321'
	03:10							Break Circ 7 Rig Pump / 10 gts in (Pipe Floor)
	05:00							Csg in Hole Hook up PC + MA - 9' Id
	05:08							Start Pump 7 Rig Pump - Pump 30 BBL Drop Ball
	05:28							Break Circ 7 Triplex Shoe @ 3500' Open Triplex Shoe @ 850' - Circ Hook up to PT
	06:52						100	Start Pump Mud Flush 12 BBL
	06:58						125	Start Pump Super Flush 10 BBL
	07:03						150	Start Pump Cmt 150 sk EA-2 1/5" C-1 Seal, 10 <sup>3</sup> Seal + 5 # 6.130000, 3/4" Hole L-320
	07:12						150	Finish Pump Cmt Release Plug + Wash out Pump
	07:15						100	Start Displ - 50 BBL Water = 35 1/2 BBL MA.
	07:25						700	Finish Displ
	07:30						1500	Plug Land
	07:33						0	Release Pres - Float Hold - Drop From Fall Plug
	08:01						750	Open DV + 1500' - Plug Rat Hole - 15 sk.
	08:20						100	Start Pump Cmt 150 sk Mid Con II 7/2" CC + 2" Floater
	08:40						175	Finish Mix Cmt Release Plug
	08:44						100	Start Displ
	08:50						300	Finish Displ Cmt Did Circ - 15 sk.
	08:50						1500	DV Closed - (DV closed @ 1150')
	08:52						0	Release Pres - OK

ORIGINAL

Wash up & Rack up  
Job complete  
Thank you  
[Signature]









# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

mid continent 15-163-23286-00-00  
Hays Ks  
BILLED ON TICKET NO. 103722

## WELL DATA

FIELD \_\_\_\_\_ SEC. 50 TWP. 8<sup>s</sup> RNG. 17<sup>w</sup> COUNTY Rook 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	N	23	8 5/8"	0	214'	
LINER						
TUBING						
OPEN HOLE	ORIGINAL					SHOTS/FT.
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

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

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-31-92</u>	DATE <u>7-31-92</u>	DATE <u>7-31-92</u>	DATE
TIME <u>12:30</u>	TIME <u>15:30</u>	TIME <u>17:00</u>	TIME

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J Becker</u>	<u>PU 4132L</u>	<u>Hays Ks</u>
<u>J Pennant:sl</u>	<u>PT Comb 53292</u>	" "
<u>D Berland</u>	<u>BT 11444 5070</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

VE 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 Cent 8 5/8" Surface Csg

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG. ANN.

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR John E Becker COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>140</u>	<u>Hofker Pos</u>		<u>B</u>	<u>226cl 938CL</u>	<u>1.27</u>	<u>14.12</u>

### PRESSURES IN PSI

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 10' REASON Request

## SUMMARY

### VOLUMES

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

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

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 13

CEMENT SLURRY: BBL.-GAL. 32.2

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

## REMARKS

See Job Log

Thank you Jim & Pong

John

CUSTOMER P. G. Hanson Truck

LEASE Brid

WELL NO. 711

JOB TYPE Cent Surface Csg

DATE 10-31-92

15-163-23286-00-00



DATE	PAGE NO.
10-31-92	1
TICKET NO.	
103722	

**JOB LOG** HAL 2013-C

CUSTOMER	WELL NO.	LEASE	JOB TYPE
D.G. Hanson Trust	# 16	Bird	Cmt Surface Csg

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	12:30							Called Out
	15:30							On Loc - Rig Drilling Surface Hole (12 1/4") Hole Cut @ 215'
	17:00							Start 8 5/8" x 23 3/4" Csg in Hole
	17:26							Csg in Hole - Set @ 214'
	17:30							Hookup PC + Manifold Broke Circ 1/4 Rig Pump Hookup to RT.
	17:47	11				200		Start Pump Cmt 140 sk 40/60 Poz 1/2% Gel + 3% CC
	17:56					200		Finish Mix Cmt Release Plug
	17:57					200		Start Displ
	18:00					300		Finish Displ - Cmt Did Circ - 15 sks Washup & Rack up Job Complete

ORIGINAL

Thank You  
John, Jim & Paul