

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

API NO. 15- 101-21101-00-01

ORIGINAL

County Lane

E/2 - W/2 - SW/4 - NE/4 Sec. 9 Twp. 16 Rge. 27 X V

1980' Feet from S(N) (circle one) Line of Section

2100' 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 LANG Well # 1 OWWD

Field Name

Producing Formation Mississippian

Elevation: Ground 2663' KB 2668'

Total Depth 4625' PBTD

Amount of Surface Pipe Set and Cemented at 777' in hole

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1686' Feet

If Alternate II completion, cement circulated from 1686

feet depth to surface w/ 400 sz cat.

Drilling Fluid Management Plan REENTRY JH 12-15-95
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

RECEIVED

Operator Name KANSAS CORPORATION COMMISSION

Lease Name 09-14-1995 License No.

SEP 14 1995 Quarter Sec. Twp. S Rng. E/W

County CONSERVATION DIVISION No. WICHITA, KS

Operator: License # 6039

Name: L. D. Drilling, Inc

Address RR 1 Box 183 B

Great Bend, Kansas 67530

City/State/Zip

Purchaser: NCRA

Operator Contact Person: L. D. Davis

Phone (316) 793-3051

Contractor: Name: L. D. Drilling, Inc,

License: 6039

Wellsite Geologist:

Designate Type of Completion

New Well X Re-Entry Workover

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

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

Operator: Donald C. Slawson

Well Name: Lang "O" #1

Comp. Date 12-17-84 Old Total Depth 4625'

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

04-09-95 4-10-95 5-18-95
SPUD Date OF REENTRY Date Reached TD Completion Date

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 L. D. Davis L. D. Davis

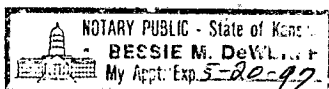
Title President Date 8-31-95

Subscribed and sworn to before me this 31st day of August 19 95.

Notary Public Bessie M. DeWerff Bessie M DeWerff

Date Commission Expires 5-20-97

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



Operator Name L. D. Drilling, Inc

Lease Name Lang #1 OWWD

Well # _____

JANUARY

East

County Lane

Sec. 9 Twp. 16 Rge. 27

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 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: CEMENT BOND

Log Formation (Top), Depth and Datum Sample
Name Top Datum

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
surface		8-5/8"		777' in hole			
production	7-7/8"	5-1/2"	14#	4165'	HLC	400	1/4# Flo
**liner		4-1/2"	10.5#	4614'	40/60 Poz	150	2% gel 10% salt 75% Hallied

** DV tool at 1686 cemented from there to surface. Could not do cement job-did not do read cement tickets. *Did 1st stage later when the 4 1/2" liner was put in.

ADDITIONAL CEMENTING/SQUEEZE RECORD

322

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
2 spf	4546-52	acidize w/ 500 gal 28% NE acid	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	4604'		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
5-27-95					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	21		63		

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval

4546'
4552'



CHARGE TO:
L. D. Drilling Co.
ADDRESS:
Route-1 Box 183-B
CITY, STATE, ZIP CODE:
Great Bend, Ks. 67530

ORIGINAL

TICKET

No. 741770 - 7

PAGE 1 OF 1

HAL-1906-N

1. SERVICE LOCATIONS Pratt, Ks. 25555	WELL/PROJECT NO. #1 OWWO	LEASE LANG	COUNTY/PARISH LANE	STATE Ks.	CITY/OFFSHORE LOCATION PENNINGTON	DATE 4-11-95	OWNER SAME
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CONTRACTOR Co-Tools	RIG NAME/NO. N/A	SHIPPED VIA Welltek	DELIVERED TO Location	ORDER NO. N/A	
3. WELL TYPE 01-OIL	WELL CATEGORY 01-Development	JOB PURPOSE Stuck Casing - 605	WELL PERMIT NO. N/A	WELL LOCATION 9-165-27w			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT.	DF							
380-048					MILEAGE (Round Trip)	230	M	1		2.75	632.50
380-830					Stuck Drill Pipe	100,000	SEF	1750	PSI	2840.00	2840.00

RECEIVED
 KANSAS CORPORATION
 SEP 14 1995
 CONSERVATION DIVISION
 WICHITA, KS

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 X <i>L D Davis</i> DATE SIGNED: 4-11-95 TIME SIGNED: 17:25 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	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? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND	PAGE TOTAL 3472.50 FROM CONTINUATION PAGE(S)	
	TYPE LOCK DEPTH BEAN SIZE SPACERS TYPE OF EQUALIZING SUB. CASING PRESSURE TUBING SIZE TUBING PRESSURE WELL DEPTH			
	TREE CONNECTION TYPE VALVE			
	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 3472.50			

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) <i>L D Davis</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X <i>L D Davis</i>	HALLIBURTON OPERATOR/ENGINEER <i>Kurt Duford</i>	EMP # 86060	HALLIBURTON APPROVAL <i>Kurt Duford</i>
---	--	---	----------------	--



JOB SUMMARY

HALLIBURTON DIVISION Mid Continent
HALLIBURTON LOCATION Perth, KS

BILLED ON TICKET NO. 741770

WELL DATA

FIELD _____ SEC. 9 TWP. 16S RNG. 27W COUNTY Lane 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>14#</u>	<u>52</u>	<u>0</u>	<u>4165</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>4623</u>	<u>4625</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-11-95</u>	DATE <u>4-11-95</u>	DATE <u>4-11-95</u>	DATE <u>4-11-95</u>
TIME <u>01.00</u>	TIME <u>08:45</u>	TIME <u>17.30</u>	TIME <u>20.30</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Kurt Dohit 86600</u>	<u>0193/21K D-pumper</u>	<u>Perth, Ks.</u>

ORIGINAL

TOOLS AND ACCESSORIES

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

MATERIALS

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

DEPARTMENT N-trogen
DESCRIPTION OF JOB Shut 52 Chg @ 4165
JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
CUSTOMER REPRESENTATIVE X L.O. Davis

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./S.K.	MIXED LBS./GAL.
					RECEIVED		
					KANSAS CORPORATION COMMISSION		
					SEP 14 1995		

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 _____ REASON _____

SUMMARY

CONSERVATION DIVISION **WICHITA, KS**
PRESLUSH: BBL.-GAL. _____ TYPE _____
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
CEMENT SLURRY: BBL.-GAL. _____
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER L.O. Davis
LEASE Lane
WELL NO. 741770
JOB TYPE Shut 52 Casings
DATE 4-11-95



DATE: 4-11-95
PAGE NO.:
TICKET NO.: 741720

JOB LOG HAL-2013-C

CUSTOMER: L.D. Drilling
WELL NO.: #1
LEASE: Lamb
JOB TYPE: Stuck D.P.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	13:00							Called Out
	14:45							on location
	17:25							Cooled Down
	17:30	2000 SCFM					500	Start N ² Down 5' 2" Casing
	17:40	"					1000	Pressure Increasing
	17:50	"					1500	" "
	18:00	"					1750	" "
	18:10	"					1725	Pressure Dropping
	18:12	Ø	84,000 SCF				1675	Shut Down & See If will Circulate on IT's own
	18:13	2000 SCFM					1450	Stopped Circulating Start Pumping N ²
	18:18	Ø	10,000 SCF				1410	Shut Down & Let Circulate
	18:30						1350	Circulating on IT's own
	18:45						300	N ² Blowed out Hole
	18:45						Ø	Start Filling Hole w/ mud & work Casing
	19:30							Casing still stuck
								TOTAL N ² ORIGINAL
								15,000 SCF Casing Down
								84,000 SCF N ² Down 5' 2" Casing
								99,000 SCF N ² TOTAL
								Thank you, Kurt Dutil
								RECEIVED KANSAS CORPORATION COMMISSION
								SEP 14 1995
								CONSERVATION DIVISION WICHITA, KS



CHARGE TO: *L.D. Drlg*
 ADDRESS: *Rte 1 Box 183-B*
 CITY, STATE, ZIP CODE: *Great Bend, Ks 67530*

ORIGINAL

TICKET

No. 806736 - 7

PAGE 1 OF 2

HAL-1906-N

SERVICE LOCATIONS 1. <i>HAYS KS 25525</i>	WELL/PROJECT NO. <i>1 owwd</i>	LEASE <i>Lang</i>	COUNTY/PARISH <i>Lanc</i>	STATE <i>Ks</i>	CITY/OFFSHORE LOCATION <i>Pendennis, Ks</i>	DATE <i>4-11-95</i>	OWNER <i>L.D. Drlg</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>L.D. Drlg</i>	RIG NAME/NO. <i>1</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>WELLSITE</i>	ORDER NO.
3.	<input type="checkbox"/> SALES		WELL CATEGORY <i>01</i>	JOB PURPOSE <i>035</i>	WELL PERMIT NO. <i>15-101-21101-00-01</i>	WELL LOCATION <i>3-N 1-E Pendennis, Ks</i>	
4.	WELL TYPE <i>01</i>						
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

ORIGINAL

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
000-117		1		27	MILEAGE	100	mi	2.75		275.00
001-016		1			Pump Service	1686	FT	1320.00		1320.00
001-205		1			Pump Service	4	HR	500	PSI	1960.00
26	847.6318	1			Insert Float Shoe	1	EA	5 1/2	IN	350.00
27	815.19311	1			Fillup Unit	1	EA			55.00
40	806.60022	1			Centralizers <i>S.4</i>	8	EA	5 1/2	IN	60.00
320	800.8883	1			Cement Basket	1	EA	5 1/2	IN	110.00
71	813.56325	1			ES Cementer	1	EA	5 1/2	IN	2450.00
75	813.16510	1			Plug Set	1	EA	5 1/2	IN	460.00
007-203		1		10	Additional Hours	8	HR			235.00
007-203		1		27	Additional Hours	6	HR			235.00

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 14 1995

CONSERVATION DIVISION
WICHITA, KS

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

X L.D. Davis
 DATE SIGNED: *4-11-95* TIME SIGNED: 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

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UN-DECIDED	DIS-AGREE
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL	9650.00
FROM CONTINUATION PAGE(S)	6918 94
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	16568.94

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) <i>L.D. DAVIS</i>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <i>X L.D. Davis</i>	HALLIBURTON OPERATOR/ENGINEER <i>G Palmberg 41489</i>	EMP #	HALLIBURTON APPROVAL <i>EM</i>
--	---	--	-------	-----------------------------------



JOB SUMMARY

HALLIBURTON DIVISION MIDCONTINENTHALLIBURTON LOCATION HAYSBILLED ON TICKET NO. 806736FIELD _____ SEC 9 TWP. 16s RNG. 27w COUNTY LANE 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 ES COMPUTER SET AT 2442.1686
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 4625

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4	5 1/2	14"	0	4685	
LINER						
TUBING			0			
OPEN HOLE			7 7/8	4685	4625	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-10</u>	DATE <u>4-11</u>	DATE <u>4-11</u>	DATE <u>4-12</u>
TIME <u>2:30</u>	TIME <u>0:10</u>	TIME <u>D 2300</u>	TIME <u>0:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>INSERT 5 1/2</u>	<u>1</u>	<u>HES</u>
GUIDE SHOE		
CENTRALIZERS <u>S-4 5 1/2</u>	<u>8</u>	<u>HES</u>
BOTTOM PLUG		
TOP PLUG <u>ES Plug Set 5 1/2</u>	<u>1</u>	<u>HES</u>
HEAD <u>ES COMPUTER 5 1/2</u>	<u>1</u>	<u>HES</u>
PACKER <u>RAFFIE 5 1/2</u>	<u>1</u>	<u>HES</u>
OTHER <u>Cement Basket 5 1/2</u>	<u>1</u>	<u>HES</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Palmberg 41489</u>	<u>40029</u>	<u>HAYS</u>
<u>A. Blessing 52160</u>	<u>51145</u>	<u>HAYS</u>
<u>D. Berland G 1512</u>	<u>0818</u>	<u>HAYS</u>
<u>M. Karlin G 1511</u>	<u>7610</u>	<u>HAYS</u>
	<u>51252</u>	<u>HAYS</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. _____
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____
 BREAKER TYPE _____ GAL.-LB. _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER CEMENT DID NOT CIRCULATE ON
 OTHER Top Stage

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 2 stage
Production casing
DID NOT DO 1st stage
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X JD Dowds
 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>1</u>	<u>115</u>	<u>40/60 Pozmix 'A'</u>	<u>A</u>	<u>B</u>	<u>27.9 gel 18% Salt 3 1/4% HALAD-322</u>	<u>135</u>	<u>14.0</u>
<u>1</u>	<u>50</u>	<u>40/60 Pozmix 'A'</u>	<u>A</u>	<u>B</u>	<u>27.9 gel 18% Salt 3 1/4% HALAD-322 5# Gilsomite /sk</u>	<u>61.144</u>	<u>13.7</u>
<u>2</u>	<u>400</u>	<u>HLC</u>		<u>B</u>	<u>1 1/4# Floccle /sk</u>	<u>1.91</u>	<u>12.2</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRES'LUSH: BBL. 20 TYPE 270 Chlorine #
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL. 41
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL. 57 132
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL. 173
 ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____
 FEET 37 REASON SHUT DOWN

REMARKS
SEE JOB LOG.
Thank you
Paul, Mary, Doug & Mel

DID NOT USE

CUSTOMER L.D. D-15 LEASE Lane WELL NO. 1 00WD JOB TYPE Prod Csg DATE 4-11-95

JOB LOG HAL-2013-C

CUSTOMER LD DRUG	WELL NO. 1 0000	LEASE LANGR	JOB TYPE Prod Csg	TICKET NO. 806736
----------------------------	---------------------------	-----------------------	-----------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2130							Called Out
	0110							On Location Rig Circulating @ TD Set up Equipment Start 5 1/2" CASING IN HOLE Insert Float Shoe, Baffle @ 4128' 3 Centralizers, 1 cement Basket ES Cementer @ 1686' Circulate through bridge with 45 Jts casing in hole Hit bridge @ 4165' Rig up to circulate through bridge Casing stuck - Well Circulating
	0900		5 1/2					Spot 54 BBL crude oil Displace oil to TD Stage oil to Surface Casing did not become free Order Nitrogen Pumper
	1600							Displace mud with NITROGEN Casing still stuck Load Hole with Drilling Mud to Circulate Casing still stuck DECIDE TO BACK OF CASING and wash over casing
	2100							Released from Location Back up Pump Truck
	2230							Called Back to Location TO CEMENT TOPSIDE
	2300							ON Location Set up Equipment
	2325							DROP Free Fall Plug
	2333							700 Open ES Cementer Break Circulation
	2340	6						300 Start mixing Cement 400 sks HLC w/ 1/4" Floccle / sk
	2400		132					300 Cement mixed

ORIGINAL

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 14 1995

CONSERVATION DIVISION
WICHITA, KS

Continued

