

ORIGINAL

SIDE ONE

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

API NO. 15- 109-20,491-0000

County Logan

NW NW SE Sec. 29 Twp. 11S Rge. 33 East West

Operator: License # 5422

2310' Ft. North from Southeast Corner of Section

Name: Abercrombie Drilling, Inc.

2310' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address 150 N. Main, Suite 801

Lease Name D & L Hubert Enterprises Well # 1

City/State/Zip Wichita, KS 67202

Field Name Hubert

Purchaser: _____

Producing Formation LKC

Operator Contact Person: Jerry A. Langrehr

Elevation: Ground 3098' KB 3103'

Phone (316) 262-1841

Total Depth 4665' PBTD _____

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Mark Galyon

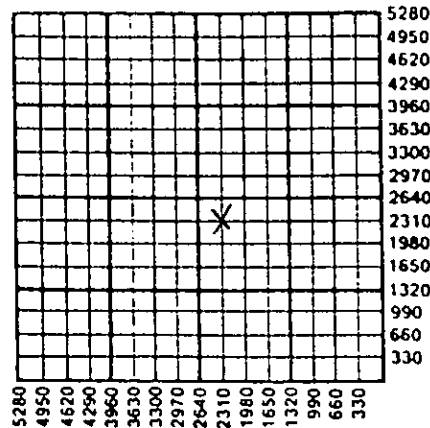
Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)



If OWMO: old well info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-17-90 11-27-90 1-4-91

Spud Date Date Reached TD Completion Date

Amount of Surface Pipe Set and Cemented at 277' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set Perforated 1630'-1631' Feet

If Alternate II completion, cement circulated from 1631'

feet depth to surface w/ 250-200 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Joshi K Wharton

Title Vice Pres Date 1-11-91

Subscribed and sworn to before me this 11th day of January, 19 91.

Notary Public Angela Woodard

Date Commission Expires 3-20-95

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers TimeLog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)



SIDE TWO

Operator Name Abercrombie Drilling, Inc. Lease Name D & L Hubert Enterprises 1

Sec. 29 Twp. 22S Rge. 33 East West County Logan

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.)

Formation Description

Log Sample

Name Top Bottom

DST (on attached page)

Log tops (on attached page)

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	12 1/2"	8 5/8"	20#	277	60-40pozmix	200	2%gel 3%cc
Production	7 7/8"	4 1/2"	10 1/2#	4415'	50-50pozmix	40	3% FRA & 4# gel/sx
					common	150	18% salt sat. 2%gel
					common	50	3% cacl.
					Perf. 1630-31HalliburtonLite	250	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4241'-4244'	2000 gal. 15% INS & 15% Non	E 4244'

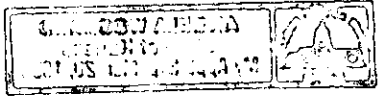
TUBING RECORD Size 2 3/8 Set At 4378' Packer At _____ Liner Run Yes No

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		36				21		

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval 4241-4244



ORIGINAL

15-109-20491-0000

DST #1 (4108'-4129') (E-F Zone Lansing)
30-45-60-45

Rec. 270' salt water (slight show oil)
IFPs 48-76 ISIP 1229
FFPs 105-153 FSIP 1190

DST #2 (4168'-4200') (H Zone Lansing)
30-45-60-45

Rec. 2' oil, 13' OCM, 360' salt water
IFPs 67-96 ISIP 1200
FFPs 144-201 FSIP 1133

DST #3 (4207-4235) (I Zone Lansing)
30-45-60-45

Rec. 10' mud
IFPs 57-57 ISIP 105
FFPs 57-57 FSIP 96

DST #4 (4235-4261) (J Zone Lansing)
30-45-60-45

Rec. 600' gip
95' free oil
85' slight oil cut, wtry mud
IFPs 67-76 ISIP 567
FFPs 86-105 FSIP 557

DST #5 (4257-4271) (K Zone Lansing)
30-45-60-45

Rec. 270' gip, 20' clean oil (38°)
35' OCM, 170' muddy salt water
IFPs 48-67 ISIP 1114
FFPs 86-115 FSIP 1066

DST #6 Misrun

DST #7 (4226-4254) (J Zone) Straddle Packers
30-45-120-45

Rec. 540' gas in pipe
60' free oil (41°)
30' OC wtry mud (25% oil)
90' muddy water (75% wtr)
IFPs 67-76 ISIP 567
FFPs 86-115 FSIP 548

Anhydrite (2575'-2601')
Heebner 3994' (-891)
Toronto 4020' (-917)
Lansing 4036' (-933)
Muncie Creek 4176' (-1073)
Stark Shale 4258' (-1155)
BKC 4316' (-1213')
Pawnee 4454' (-1351')
Myrick station 4483' (-1380')

STATE OF OREGON
DEPARTMENT OF GEOLOGY

JAN 15 1961

CONFIDENTIAL

DISTRICT Hays KS DATE 12-11-90

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: A.L. Abercrombie Inc (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1 LEASE D&L Enterprises SEC. 29 TWP. 11s RANGE 33W

FIELD S. Monument KS COUNTY Logan STATE KS OWNED BY A.L. Abercrombie

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 PACKER: TYPE RTTS 1487 RBP SET AT 1825
 TOTAL DEPTH 4385 PBD MUD WEIGHT _____
 CORE HOLE _____
 INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
 PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		10.5	4 1/2	KB	4385	PBTD
LINER						
TUBING			2 3/8	KB	11487	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				1630	1631	
PERFORATIONS				4241	4244	
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED
Cement Annulus w/ 150 sks HDL + 50 sks Standard w/ 3% CC as directed

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
- 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.
 - 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.
 - 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.
 - 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.
 - 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. 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 manne 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.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - 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.

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

SIGNED B.E. Sewell CUSTOMER

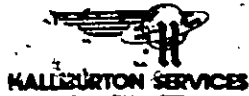
DATE _____ TIME _____ A.M. P.M.

AND ORIGINAL

TICKET CONTINUATION

FOR INVOICE AND TICKET NO.

904494



A Division of Halliburton Company

DATE 12-11-90	CUSTOMER ORDER NO.	WELL NO. AND FARM D.L. Hubert Enterprises Loan	COUNTY Cheyenne	STATE KS
CHARGE TO A.L. Abercrombie	OWNER A.L. Abercrombie	CONTRACTOR Cheyenne		No. B822374
MAILING ADDRESS	DELIVERED FROM Overlin, KS	LOCATION CODE 25529	PREPARED BY Jke	
CITY & STATE	DELIVERED TO SE/Monument KS	TRUCK NO. 554718	RECEIVED BY Jack Moore	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE L D	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
				QTY.	MEAS.	QTY.	MEAS.			
504-308		1B	Standard Cement	50	sk			6.75	337	50
509-4016		1B	Calcium Chloride	2	sk			25.75	51	50
504-308		1B	Standard Cement	98	sk			6.75	661	50
506-105		1B	Por. Mix 'A'	52	sk			3.50	182	80
506-121		1B	(3) Halliburton Gel Alcohol 20%							NK
507-217		1B	Halliburton Gel Alcohol 80%	10	sk			13.75	137	50
507-285		1B	Ecovulite	26	sk			9.00	234	90
510-222		1B	20/40 Brndy Sand (80% Sieve)	2	sk			8.60	17	20
THIS IS NOT AN INVOICE										
				Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES			
SERVICE CHARGE ON MATERIALS RETURNED								CU. FEET		
590-207		1B	SERVICE CHARGE					2.24	24	40
590-306		1B	Mileage Charge	19,471	15	146.03		1.75	109	52
590-307	Surcharge	1B						1.10	14	60
No. B 822374								CARRY FORWARD TO INVOICE	SUB-TOTAL	1992 62

ORIGINAL

DISTRICT Hays KS

DATE 12-11-90

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

WELL NO. 1 LEASE D&L Hubert Enterprises SEC. 29 TWP. 11s RANGE 33w

FIELD S. Monument COUNTY Logan STATE KS OWNED BY AL Abercrombie

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE RTTS 1487 RBP SET AT 1825
TOTAL DEPTH 4385 PBD MUD WEIGHT _____
CORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING			<u>4 1/2</u>	<u>KB</u>	<u>4385</u>	<u>PBD</u>
LINER						
TUBING			<u>2 3/8</u>	<u>KB</u>	<u>1487</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>1630</u>	<u>1631</u>	
PERFORATIONS				<u>4241</u>	<u>4244</u>	
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Run 4 1/2" RTTS + RBP to Cement Annulus as directed

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:
 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. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. 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 not recovered, 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, in 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.

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

SIGNED B.E. Sowder CUSTOMER

DATE _____ TIME _____ A.M. P.M.

FIELD S. Monument KS SEC 29 TWP. 11S RANG. 33W COUNTY Logan 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 RTTS 1487 RBP SET AT 1825
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH 4385

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			4 1/2	KB	4385	PSTD
LINER						
TUBING			2 3/8	KB	1487	
OPEN MOLE						SHOTS/FT.
PERFORATIONS				1630	1631	
PERFORATIONS				4241	4244	
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
WELD Squeeze Man. h/d 1"	1EA	Howco
PACKER RTTS 4 1/2"	1EA	"
OTHER RBP 4 1/2"	1EA	"

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 12-11	DATE 12-11	DATE 12-11	DATE 12-11
TIME 0600	TIME 0850	TIME 1045	TIME

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
J. Moore 64685	36655 Tool P.U.	Oberlin KS
J. Keenan	3243 H-400RCM	Oberlin KS
J. Adenholt E 1016	50181 Bulk Tk	Oberlin KS

MATERIALS

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

DEPARTMENT Tools - Cement
 DESCRIPTION OF JOB Cement Annulus w/ 150 sks HDL + 50 sks Standard w/ 3% CC

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X B.E. Bowler

HALLIBURTON OPERATOR J. Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	150	HDL				3.62	15.68
2	50	Standard			3% CC	1.18	15.6

PRESSURES IN PSI

SUMMARY

VOLUMES

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

ORDERED _____ AVAILABLE _____ USED _____ REMARKS
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

See Job log
Thank you

CUSTOMER: A. J. Abercrombie, Inc.
 JOB TYPE: Cement Ann.
 DATE: 12-11-90

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Sufice
 DEC 1990 ORIGINAL
 15:109 20491-0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. NO. 7244
 Home Office P. O. Box 31 Russell, Kansas 67665

Date: *11-17-94* Sec. *25* Twp. *11* Range *33* Called Out *4:40 AM* On Location *6:00 AM* Job Start *8:45 PM* Finish *9:15 PM*
 Lease *OK* Well No. *150-10-150* Location *Movement 1E-3 1/2 S* County *L...* State *...*

Contractors: *ABC*
 Type Job *...*
 Hole Size *12 1/4* T.D. *278'*
 Csg. *...* Depth *277.76'*
 Tbg. Size *...* Depth *...*
 Drill Pipe *...* Depth *...*
 Tool *...* Depth *...*
 Cement Left in Csg. *15'* Shoe Joint *...*
 Press Max. *...* Minimum *...*
 Meas Line *...* Displace *17.7*
 Perf. *...*

Owner *Same*
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
 Charge To *ABC*
 Street *...*
 City *...* State *...*
 The above was done to satisfaction and supervision of owner agent or contractor
 Purchase Order No. *...*
 X *W.C. Quinn*

EQUIPMENT

No.	Cementer	<i>Kris</i>
Pumptrk	Helper	<i>Tom</i>
No.	Cementer	
Pumptrk	Helper	
Bulktrk	Driver	<i>Bob</i>
Bulktrk	Driver	

Amount Ordered *262.50*

Consisting of	Common	
	Poz. Mix	
	Gel.	
	Chloride	
	Quickset	
	Sales Tax	<i>101.32</i>
	Handling	<i>B-19</i>
	Mileage	<i>32.50</i>
	Sub Total	<i>101.32</i>
	Total	<i>363.82</i>

DEPTH of Job *100'*

Reference	<i>100' TWP</i>
	<i>5 1/2 TWP</i>
Sub Total	
Tax	
Total	

101.32 Sales Tax
B-19 Handling
32.50 Mileage
 Sub Total
 Total

Remarks: *Cement - Del. C...*
Allied Cementing Co.
P. Kris

JAN 15 1995
 Thank you

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15:109-20491-0000
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ORIGINAL

DEC 4 1990

ALLIED CEMENTING CO., INC. NO 7333

Home Office P. O. Box 31

Russell, Kansas 67665

NRW

Date	11-28-90	Sec.	29	Twp.	11	Range	33	Called Out	3:00 A.M.	On Location	8:30 A.M.	Job Start	3:00 P.M.	Finish	3:45 P.M.
Lease	Del. Hubert	FNT Well No.	*1	Location				Monument, 1/2 E, 3/4 S, 1/2 into Logan	County		State	KS			

Contractor	Absconcrete #5
Type Job	Production
Hole Size	7 7/8" T.D. 4166.5'
Csg.	4 1/2" Depth 4415'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	28' Shoe Joint 28'
Press Max.	800# Minimum
Meas Line	Displace 70 bbl.
Perf.	

Owner	To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Charge To	A. L. Absconcrete Inc.
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor	
Purchase Order No.	
X	B. E. [Signature]
	CEMENT
Amount Ordered	50 gal 5% 42 gal 150 gal com. 182 salt 34 salt
Consisting of	FRA. 500 gal. WFR II.
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
	101-3250 1352
	Sales Tax

EQUIPMENT

* No.	Cementor	TIM
Pumptrk #3	Helper	Cary
No.	Cementor	
Pumptrk	Helper	
#	Driver	JACKS
Bulktrk #101		
Bulktrk #208	Driver	Vancey

Handling	
Mileage	1411.5 1991
	Sub Total
	Total
Floating Equipment	

DEPTH of Job	
Reference:	Pumptrk Charge
	Pumptrk Mileage
	4 1/2" Rubber Plug
	Sub Total
	Tax

Remarks: Pumped 500 gal WFR II
 Ran 4415' of 4 1/2" csg. Mixed 45%
 5% 50 1/2 silsbite followed by 150 gals
 182 salt. 34 of 18 FRA. Washed hole
 clean of cement & pumped plug to
 4292 with fresh water.
 Float did hold. Trench

- 1-4 1/2" Guide shoe
- 1-4 1/2" Insert (for float equip)
- 4-4 1/2" Buckets (BAKER)
- 5-4 1/2" Centralizers
- 10-4 1/2" Reciprocating Scraper

JOB LOG

WELL NO. /

LEASE NO. 1468075 OPERATOR'S TICKET NO. 904473 - 904477

15-109-20491-0000

CUSTOMER A. L. Abercrombie

PAGE NO. 1 of 2

FORM 2013 R-2

JOB TYPE Drilling Cement Annulus

DATE 12-11-90

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0600							Called out - Ready @ 0900
	0850							On location - Rig swabbing
	1045							Pump truck on location
	1052							Run in hole w/ 4 1/2" RTTS + RB
	1211							Set RBP @ 1825'
	1217							Set RTTS @ 1771.2
	1224							Test + by a Tools - Held
	1242	4						Circulate hole
	1247	4	18					4 1/2" Casing Circulated
	1250	4	26					8 5/8" Casing Circulated
	1250	4	28					Shut down
	1300							Spot 2 sks sand - 8 5/8"
								Circulated while spotting sand
	1305		6 1/2					Finish spotting sand
	1335							Set RTTS @ 1487.13
	1341					500		Load Ann + Close in
	1344	3				400		Take injection rate
	1346	3				400		Start Cement - 150 sks HDL -
								Good Circulation on 8 5/8"
	1412	3	94			150		Cement Circulated
	1413	3	96			150		Finish w/ 150 sks HDL - Start
								50 sks Standard w/ 3% CC
	1419	2	106			150		Finish Cement - Shut down
								Wash up pump + lines
	1422	1				50		Start Displacement - Good Circ.
	1428	1	6 1/2			300		Stop Displacement
	1445	1/2	6 3/4			400		Disp. 1/4 bbl
	1508							Disp. 1/2 bbl
	1532					1000		Press. Squeeze - Holding
	1533					1250		Press. Squeeze - Holding
	1534					1500		Press. Squeeze - Holding
	1535					1750		Press. Squeeze - Holding
	1540							Reverse - Held
	1542							Reverse Out
	1550	3	12			200		Finish Reverse

IAN 17 1991

FIELD OFFICE

CONSERVATION DIVISION
Wichita, Kansas

**HALLIBURTON SERVICES
JOB LOG**

15109-20491-0000

WELL NO. 1 LEASE DAL HUBERT CAMP/ADMET NO. 141110 141111
 CUSTOMER ARIZONA Ambie PAGE NO. 2 of 2
 JOB TYPE Cement Ann DATE 12-11-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1552							Set RTTS @ 1487
	1554					1000		Test squeeze - Held
	1557							Release - Held
	1603							Rig pull Tbg + RTTS
	1644							Out of hole w/ RTTS
	1653					500		Press casing & close in
	1654							Rack up truck
	1700							Job completed
								Thank you John - John - Jack

RECEIVED
STATE CORPORATION COMMISSION

JAN 4 7 1991

Wichita, Kansas