

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

API NO. 15- 101-20,420-000 **ORIGINAL**

County Lane

NW - NW - NE - Sec. 9 Twp. 17S Rng. 27 X ^E

4950 Feet from (S) (circle one) Line of Section

2310 Feet from (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section, Formed by
NE, SE, NW or (SW) (circle one)
KANSAS CORPORATION COMMISSION

Lease Name Howard (Selfridge) Well # 2

Field Name Selfridge JUL 20 1998

Injection
Formation Lansing-Kansas City

Elevation: Ground 2602 KB 2607 WICHITA, KS

Total Depth 4520 PBTD 4330

Amount of Surface Pipe Set and Cemented at 245 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sz cmt.

Drilling Fluid Management Plan Re-work, 7-27-98 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/V

County _____ Docket No. _____

Operator: License # 5393

Name: A.L. Abercrombie, Inc.

Address 150 N. Main - #801

City/State/Zip Wichita, KS 67202

Purchaser: Koch

Operator Contact Person: Kitt Noah

Phone (316) 262-1841

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion

____ New Well ____ Re-Entry X Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.

____ Gas X ENHR ____ SIGV

____ Dry ____ Other (Core, WSV, Expl., Cathodic, etc)

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

Operator: A.L. Abercrombie, Inc.

Well Name: #2 Howard

Comp. Date 12-2-79 Old Total Depth 4520

____ Deepening X Re-perf. X Conv. to Inj/SWD

____ Plug Back _____ PBTD

____ Commingled _____ Docket No. _____

____ Dual Completion _____ Docket No. _____

____ Other (SWD or Inj?) Docket No. F-25,754

6-23-98 7-13-98
Spud Date of _____ Date Reached TD _____ Completion Date of _____

Start of workover. Re-work.

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 Kitt Noah

Title Kitt Noah, Geologist Date 7-17-98

Subscribed and sworn to before me this 17th day of July 19 98.

Notary Public Deborah K. Ammerman

Date 3-1-2000

DEBORAH K. AMMERMAN
Notary Public - State of Kansas
My Appl. Expires 3-1-2000

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



SIDE TWO

Operator A.L. Abercrombie, Inc. Lease Howard (Selfridge) Well # 2

Sec. 9 Twp. 17S Rge. 27 East West
County Lane

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:

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

SEE ATTACHED SHEET

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"	20#	244.89	Common	175	3% CaCl
Production	7 7/8"	4 1/2"	10.5 #	4367.80	Common 50/50 poz	150 100	2% Gel; 3% CaCl 12 1/2# gill/sk salt saturated

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" 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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used): Depth	
4	1010'		Sqz 100 sx. 60/40 poz (Cmt to	980')
4	710'		Sqz 100 sx. 60/40 Poz (Cmt to	450')
			Backside 100 sx. Lite (Cmt 450'	to sfc)

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
				4108'				
Date of First, Resumed Production, SWD or Inj.			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

Disposition of Gas: Vented Sold Used on Lease (If vented, submit AGO-18)
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
Production Interval

ORIGINAL

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Oil

Operator
Abercrombie Drilling, Inc.

Well No. 2 Lease Name Howard 15-101-20420-0001

s 9 r 17S, R 27W E W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sand and shale	0	1877	SAMPLE TOPS:	
Shale and lime	1877	1999		
Anhydrite	1999	2031	Anhydrite	2000' (+ 60)
Shale and lime	2031	2300	B/Anhydrite	2031' (+ 57)
Shale	2300	2653	Heebner	3830' (-122)
Shale and shells	2653	2686	Toronto	3851' (-124)
Shale and lime	2686	3884	Lansing	3869' (-126)
Lime	3884	4068	Ft. Scott	4369' (-176)
Shale and lime	4068	4109	Miss.	4465' (-185)
Lime	4109	4418		
Shale and lime	4418	4466		
Lime	4466	4520		
Rotary Total Depth		4520		
<p>DST #1 (3862-3884') 30", 45", 30", 45" Rec. 5' mud with spots of oil. IFP 31-31, IBHP 508, FFP 31-31, FBHP 307.</p> <p>DST #2 (4019-4037') 30", 45", 60", 45" Weak increasing to strong blow. Rec. 750 of sw. IFP 40-122, IBHP 918, FFP 214-306, FBHP 857.</p> <p>DST #3 (4047-4068') 30", 30", 30", 30" Weak blow, died 21". Rec. 90' osm. IFP 102-81, IBHP 816, FFP 81-91, FBHP 714</p> <p>DST #4 (4094-4109') 45", 45", 30", 45" Weak blow, 43". Rec. 30' osm. IFP 10-10, IBHP 642, FFP 20-10, FBHP 632.</p> <p>DST #5 (4111-4138') 30", 60", 45", 60" Strong blow. Rec. 1320' gip, 120' hogcm 120' mud and gco, 230' cgo and 550' sw. IFP 61-255, IBHP 1161, FFP 306-438, FBHP 1131.</p> <p>DST #6 (4146-4216') 30", 45", 60", 45" Weak blow. Rec. 120' mw. IFP 40-51, IBHP 1182, FFP 61-71, FBHP 1121</p>				

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 20 1988

CONSERVATION DIVISION
WICHITA KS

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Jack L. Partridge
Signature

Jack L. Partridge, Asst. Sec.-Treas.

Title

June 6, 1980
Date

Weak Blow
 Rec. 60'
 IFP 30-30
 #7 (H)

15-101-20420-00-04

ORIGINAL

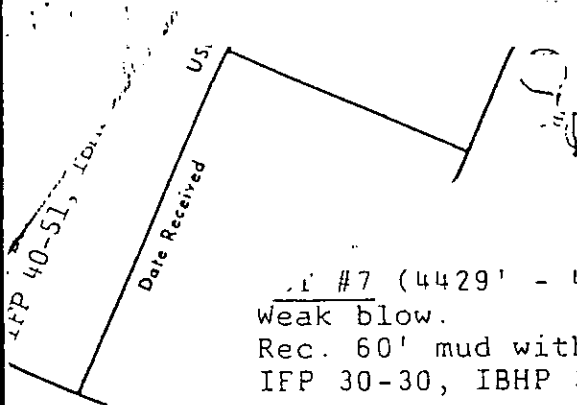
Continued

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JUL 20 1998

CONSERVATION DIVISION
WICHITA, KS

Well #7 (4429' - 4466') 30", 45", 30", 30"
Weak blow.
Rec. 60' mud with oil spots.
IFP 30-30, IBHP 357, FFP 40-40, FBHP 142.



15101 20 428 0001

ABERCROMBIE RTD, INC.
150 N. MAIN, SUITE 801
WICHITA, KANSAS 67202
(316)262-1841

ORIGINAL

SELFRIDGE UNIT

Howard #2 (OWWO)
NW-NW-NE
Sec 9-17-27W
Lane Co., Ks.

OPERATOR: A. L. Abercrombie Inc.
CONTRACTOR:

RIG #:

JOB #:

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 20 1908

CONSERVATION DIVISION
WICHITA, KS

A. L. Abercrombie Inc.
150 N. Main, Ste 801
Wichita, Ks. 67202
(316) 262-1841

ELEVATION: GL '
KB '

API #

-
- 07-07-98 Ran bit and tubing; drilled hard cement 821' to 990'. Circulated hole clean. Heavy rains overnight delaying start of drilling this a.m. Page 2
 - 07-08-98 Pumped water off location from heavy rains. Drilled hard cement 990' to 1010' and washed down to 1050'. Pressure tested perforations at 1010' to 500 PSI. Had slow pressure drop of 60 PSI in 5 minutes. We feel state will accept this. Round tripped tubing to change bit. Cellar walls caved in from rain and we had to back fill. Ran tubing and drilled CIBP at 4000'. Circulated hole clean. Started laying down tubing and bit.
 - 07-09-98 Finished laying down tubing and bit. Ran Halliburton R-4 packer on 2" seal-tite tubing to 4100'. Flushed annulus with 45 bbls treated water. Set R-4 packer in tension (22,000 PSI) at 4100'. Loaded annulus and pressured to 150 PSI. Pressure held for 5 minutes. Rigged down tools and moving to Howard #5.
 - 07-10-98 Loaded annulus with 12 bbls water. Fluid level 1146' from surface. Pressure tested casing to 300 PSI; leaked off 120 PSI in 5 minutes. We will need to spot calcium lime next week to control leak.
 - 07-11-98 Idle
 - 07-12-98 Idle
 - 07-13-98 Moved in and rigged up single drum, released packer at 4180'. mixed 5 bbls Anchek (Calcium lime) and displaced down annulus. Reset packer at 4108' with 24,000 PSI Tension. Pressured annulus to 500 PSI. Lost 40 PSI n 30 minutes; shut well in. Rigged down and moving tools to Kuehn #7.

ABERCROMBIE RTD, INC.

150 N. MAIN, SUITE 801
WICHITA, KANSAS 67202
(316)262-1841

ORIGINAL

SELFRIEDGE UNIT

Howard #2 (OWWO)
NW-NW-NE
Sec 9-17-27W
Lane Co., Ks.

15-101-20420-0001

OPERATOR: A. L. Abercrombie Inc.

CONTRACTOR:

RIG #:

JOB #:

RECEIVED
KANSAS CORPORATION

JUL 20 1998

CONSERVATION DIVISION
WICHITA KS

A. L. Abercrombie Inc.
150 N. Main, Ste 801
Wichita, Ks. 67202

ELEVATION: GL '
KB '

(316) 262-1841

API #

- 06-23-98 Set water tanks. Move pumping units off Howard #2 and #5; move both strings of rods and rack on location; dig work over pits.
- 06-24-98 Move in and rig up double drum unit. Set 4 1/2" CIBP @ 4000' KB (Fluid level @ 3950'). Mix 98 bbls gel, load casing; pressured to 1000# and held. Release pressure. Perforated 4 shots 1010' KB. Displace gel down casing; had slight blow. No circulation up annulus; mix 100 sks 60/40 pozmix, 2% cc and 50 sks Common, 2% cc. Displace cement to 980' at 600# pressure. Shut casing in with 400# standing. Job completed at 2:00 p.m.
- 06-25-98 Ran temperature survey. Cement at 850'. Perforated 4 shots at 710'. Mixed 100 sks 60/40 pozmix, 2% cc and 50 sks Common, 2% cc. Displaced down casing to 710'. Slight blow on annulus. Cement did not circulate. 600# PSI standing pressure on casing.
- 06-26-98 Hole was static, no pressure, no volume. Ran temperature survey to 710'. Found top of cement at 450'. KCC field supervisor, Steve Durrant, authorized cementing surface to 450' from the surface. Established injection rate of 3 BPM at 300 PSI. Mixed and ran 100 sks Lite cement with 2% cc down surface pipe. Maximum pressure 300 PSI. Completed with 200 PSI; holding pressure. Will drill out cement Monday, June 29.
- 06-30-98 Ran 4 3/4" bit, 4 drill collars and tubing. Top cement at 710'. Drilled rubber plug and hard cement 710'-740'. Circulated hole clean. Pressure tested squeeze to 500 PSI. Pressure bled off to 0 in 30 seconds. Injection rate 1/2 BPM at 500 PSI; shut down
- 07-01-98 Ran 2" tubing and packer to 752'. Set packer and pressured up casing to 500 PSI'; held. Reset packer to 719'. Spotted 25 sks cement down tubing on perfs at 710'. Will pull tubing and packer.

L-K Wireline, Inc. Acid

P.O. Box 1188--Hays, KS 67601

ORIGINAL

Invoice

RECEIVED
KANSAS CORPORATION COMMISSION

DATE INVOICE NO.
06/26/98 11936

JUL 20 1998

BILL TO

A.L. Abercrombie, Inc.
Route 1, Box 56
Great Bend, KS 67530

CONSERVATION DIVISION
WICHITA, KS

P.O. Box 1188
East Highway 40
Hays, KS 67601
Phone: 785-625-6877
Fax: 785-625-6579
Toll Free: 1-800-875-6876

YOUR P.O. #	LEASE&WELL	LEGAL DESCRIPTION
	Howard #2	9-17S-27W

DESCRIPTION	QTY	RATE	AMOUNT
#11936, 6-24-98:			
Service Charge		300.00	300.00
Set 4-1/2" Baker T-1 Plug @ 4000'		925.00	925.00
Jet Perforating (for 2-stage)			
4 holes @ 1010' (Min.)		485.00	485.00
Credit for lost time		-350.00	-350.00
#11936, 6-25-98:			
Service Charge		300.00	300.00
Temperature Log		525.00	525.00
Jet Perforating (for 2-stage)			
4 holes @ 740' (min.)		485.00	485.00
#11936, 6-26-98:			
Service Charge		300.00	300.00
Temperature Log		525.00	525.00
Subtotal			3,495.00
State Sales Tax		4.90%	119.81
Total			\$3,614.81

A 15% discount is allowed on this invoice if paid in 30 days of INV. date only if account is current.

Terms: Invoice Total Due 30 Days after Invoice Date. Finance Charges of 1.5% (18% APR) will be added to unpaid invoices after 60 days.

L-K Wireline, Inc.

East Hiway 40 - P.O. Box 1188 - Hays, Kansas 67601

Phone 785-625-6877

FAX 785-625-6579

11936

DATE 6/26/98

ORIGINAL

CHARGE TO: A. L. Abercrombie, Inc.

ADDRESS _____

LEASE AND WELL NO. Selfridge unit - Howard #2 FIELD Selfridge

NEAREST TOWN Pendennis COUNTY Lane STATE Ks.

CUSTOMER'S ORDER NO. _____ SEC. 9 TWP. 17 RANGE 27W

SERVICES RENDERED:

<u>6/24 Service charge</u>	<u>\$ 300.00</u>
<u>Bridge plug (4 1/2" Baker T-1)</u>	
<u>Set @ 4000'</u>	
<u>Test perforating (for 2-stage)</u>	
<u>4 holes @ 10'10" (min.)</u>	
<u>Credit - last time</u>	
<u>6/25 Service charge</u>	
<u>Temperature log</u>	
<u>Test perforating (for 2-stage)</u>	
<u>4 holes @ 7'40" (min)</u>	
<u>6/26 Service charge</u>	
<u>Temperature log</u>	
<u>State sales tax - logging exempt</u>	
<u>Less discount if pd. w/in 30 days</u>	
	<u>3,072.59</u>

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 20 1998
CONSERVATION DIVISION
WICHITA, KS

ZERO K.B. CASING SIZE 4 1/2 WEIGHT _____

CUSTOMER'S T.D. _____ T.D. _____ FLUID LEVEL _____

ENGINEER Randy K. Longacre OPERATOR Mike/Keith/Steve

RECEIVED THE ABOVE ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED BELOW WHICH WE HAVE READ AND TO WHICH WE HEREBY AGREE

CUSTOMER A.L. Abercrombie, Inc. AUTHORIZED AGENT B.P. Sowls
GENERAL TERMS AND CONDITIONS OF SERVICE

- (1) All accounts are to be paid within the terms fixed by L-K Wireline, Inc. invoices; and should these terms not be observed, interest at the rate of 1 1/2% per month will be charged from the date of such invoice.
- (2) Because of the uncertain conditions existing in a well which are beyond the control of L-K Wireline, Inc. It is understood by the customer that L-K Wireline, Inc. cannot guarantee the results of their services and will not be held responsible for personal or property damage in the performance of their services.
- (3) Should any L-K Wireline, Inc. instruments be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover same, and to reimburse L-K Wireline, Inc. for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered.
- (4) It is further understood and agreed that all depth measurements shall be supervised by the customer or its employees, and customer hereby certifies that the zones, as shot were approved.
- (5) The customer certifies that it has the full right and authority to order such work on such well and that the well in which the work is to be done by L-K Wireline, Inc. is in proper and suitable condition for the performances of said work.
- (6) No employee is authorized to alter the terms or conditions of this agreement.

CEMENTING CO., INC. - 4677

MIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL JUL 20 1998

SERVICE POINT: Abbe City

DATE <u>6-24-98</u>		SEC. <u>9</u>	TWP. <u>17</u>	RANGE <u>27</u>	CONSERVATION DIVISION	CALLED OUT CHIT. K. <u>7:00 AM</u>	ON LOCATION <u>8:30 AM</u>	JOB START <u>10:45 AM</u>	JOB FINISH <u>1:45 PM</u>
LEASE <u>Hobart</u>		WELL # <u>2</u>	LOCATION <u>Pandennis 7/4E 35 1/2 E</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>		
<input checked="" type="radio"/> OLD OR NEW (Circle one)									

CONTRACTOR Hembree Well Service OWNER _____

TYPE OF JOB Perf Squares

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 4 1/2 DEPTH 1010

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Plug DEPTH 4000

PRES. MAX 950 MINIMUM _____

MEAS. LINE yes SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 1010

CEMENT			
AMOUNT ORDERED	<u>385x Del</u>		
	<u>100sx 6 5/8 6' Del 2%cc</u>		
	<u>50sx Com 2%cc</u>		
COMMON	<u>50sx</u>	@ <u>6.35</u>	<u>317.50</u>
POZMIX		@	
GEL	<u>38x 2 9/16 spacer</u>	@ <u>9.50</u>	<u>361.00</u>
CHLORIDE	<u>35x 1 1/2</u>	@ <u>28.00</u>	<u>84.00</u>
	<u>Lite weight 100sx</u>	@ <u>6.00</u>	<u>600.00</u>
		@	
		@	
		@	
		@	
HANDLING	<u>150</u>	@ <u>1.05</u>	<u>157.50</u>
MILEAGE	<u>38.04 x 150</u>		<u>228.00</u>
			TOTAL <u>1748.00</u>

EQUIPMENT

Bud

PUMP TRUCK CEMENTER J. Weighman

224 HELPER B. White

BULK TRUCK

260 DRIVER D. Walls

BULK TRUCK

311 DRIVER _____

REMARKS:

fill 4 1/2 cas, 46 BAZ salt water to 1050', mix 4 1/2 del to top, test plug @ 1000', hold, mix 3 1/2 x cel, down 4 1/2 did not circ, mix 100sx 6 5/8 6' cel, 2%cc, 50sx Com 2%cc, Deep Plug to 980' shut in 600'

No Returns Thanks

SERVICE

DEPTH OF JOB	<u>1010</u>		
PUMP TRUCK CHARGE			<u>470.00</u>
EXTRA FOOTAGE	<u>710</u>	@ <u>.43</u>	<u>305.00</u>
MILEAGE	<u>38</u>	@ <u>2.85</u>	<u>108.30</u>
PLUG	<u>4 1/2 Rubber</u>	@	<u>38.00</u>
		@	
		@	
			TOTAL <u>921.30</u>

CHARGE TO: A.L. Abercrombie, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
			TOTAL <u>2669.90</u>

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE B. F. Rowles

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., INC. - 4678

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Neosho City

DATE <u>6-25-98</u>	SEC. <u>9</u>	TWP. <u>17</u>	RANGE <u>27</u>	CALLED OUT <u>7:00AM</u>	ON LOCATION <u>8:00AM</u>	JOB START <u>9:30AM</u>	JOB FINISH <u>11:30AM</u>
LEASE <u>Howard</u> WELL # <u>2</u>		LOCATION <u>Pendennis 1/2 E 35 1/2 NE Lane</u>		COUNTY <u>Franklin</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one) _____

RECEIVED
KANSAS CORPORATION COMMISSION

CONTRACTOR Hemlock Well Services OWNER _____

TYPE OF JOB Perf. Squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE 4 1/2 DEPTH 710

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 800 MINIMUM _____

MEAS. LINE 400 SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 740

JUL 20 1998
CEMENT

AMOUNT ORDERED Conservation Division

50s x Cam 2% CC

100s x Lite 2% CC

COMMON <u>50s x</u>	@ <u>6.95</u>	<u>317.50</u>
POZMIX _____	@ _____	_____
GEL <u>19s x spacer</u>	@ <u>9.50</u>	<u>180.50</u>
CHLORIDE <u>3's x</u>	@ <u>28.00</u>	<u>84.00</u>
<u>Lite weight 100s x</u>	@ <u>6.00</u>	<u>600.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>150</u>	@ <u>1.05</u>	<u>157.50</u>
MILEAGE <u>38.04 x 100</u>		<u>152.00</u>
TOTAL		<u>1491.50</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>D. White</u>
# <u>224</u>	HELPER <u>B. White</u>
BULK TRUCK	
# <u>260</u>	DRIVER <u>O. Walls</u>
BULK TRUCK	
# <u>311</u>	DRIVER _____

REMARKS:

Cam @ 880'
Mix 19s x 2' spacer down
4 1/2 casing No Returns, mix
100 6 3/8 6% gel 2% CC,
50 cam, 2% CC, Ocap Plug
to 710 shut in 800'
No Returns
THANKS

SERVICE

DEPTH OF JOB	<u>740</u>	
PUMP TRUCK CHARGE	<u>470.00</u>	
EXTRA FOOTAGE <u>440</u>	@ <u>.43</u> <u>189.00</u>	
MILEAGE	@ _____ <u>NC</u>	
PLUG <u>4 1/2 Rubber</u>	@ _____ <u>38.00</u>	
_____	@ _____	
_____	@ _____	
TOTAL		<u>697.00</u>

CHARGE TO: A.H. Abercrombie, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		<u>2188.50</u>

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

NATURE B. E. Howls

ALLIED CEMENTING CO., INC. -4679

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:
Mass City

DATE <u>6-26-98</u>	SEC. <u>9</u>	TWP. <u>17</u>	RANGE <u>27</u>	CALLED OUT <u>7:00AM</u>	ON LOCATION <u>8:00AM</u>	JOB START <u>9:00AM</u>	JOB FINISH <u>11:05AM</u>
LEASE <u>Husband</u>	WELL # <u>2</u>	LOCATION <u>Pandemonis 1/2 3s 1/2 E Lane</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	

OLD NEW (Circle one)

RECEIVED
KANSAS CORPORATION COMMISSION

CONTRACTOR Hambree Well Services OWNER _____

TYPE OF JOB Perf squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE 4 1/2 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 500 MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

JULCEN 1998

AMOUNT ORDERED _____ CONSERVATION DIVISION
100 x 1/2 2% cc WICHITA, KS

EQUIPMENT

Bud

PUMP TRUCK CEMENTER W. B. H. Hines

224 HELPER B. White

BULK TRUCK

260 DRIVER D. Walls

BULK TRUCK

_____ DRIVER _____

COMMON _____	@ _____	_____
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE <u>25x</u>	@ <u>28.00</u>	<u>56.00</u>
<u>light weight 1005x</u>	@ <u>6.00</u>	<u>600.00</u>
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>1005x</u>	@ <u>1.05</u>	<u>105.00</u>
MILEAGE <u>38 x .04 x 100</u>		<u>152.00</u>
TOTAL		<u>913.00</u>

REMARKS:

SERVICE:

Cemt @ 440'
test 4 1/2 cas 500 # Held
100 x 1/2 2% cc Down
Back side Shut in 200 #

Thanks

DEPTH OF JOB <u>440</u>	_____	
PUMP TRUCK CHARGE _____	<u>470.00</u>	
EXTRA FOOTAGE <u>140</u>	@ <u>.43</u> <u>160.20</u>	
MILEAGE _____	@ _____	
PLUG _____	@ _____	
_____	@ _____	
_____	@ _____	
TOTAL		<u>530.20</u>

CHARGE TO: A.L. Abernethy, Inc

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
TOTAL		<u>1443.00</u>

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE B.E. Sowles

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., INC. - 4685

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Abbeville

Selfridge Unit

DATE <u>7-1-98</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>10:00AM</u>	JOB START <u>10:45am</u>	JOB FINISH <u>12:10pm</u>
LEASE <u>Hubert</u>	WELL# <u>2</u>	LOCATION <u>Pendennis 1/2 E 35 1/2 E</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

RECEIVED
KANSAS CORPORATION COMMISSION

CONTRACTOR Hennrich Well Services OWNER _____

TYPE OF JOB Pail Squeeze

HOLE SIZE	T.D.
CASING SIZE <u>4 1/2</u>	DEPTH <u>750</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1100</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>100</u>	
PERFS.	

CEMENT
JUL 20 1998

AMOUNT ORDERED		
<u>25 3x Com.</u>	CONSERVATION DIVISION WICHITA KS	
COMMON <u>25 3x</u>	@ <u>6³⁵</u>	<u>158⁷⁵</u>
POZMIX	@	
GEL	@	
CHLORIDE	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>25 3x</u>	@ <u>1.05</u>	<u>26²⁵</u>
MILEAGE <u>38. x 04 x 25</u>		<u>38⁰⁰</u>
TOTAL		<u>223⁰⁰</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>J. Stephens</u>
# <u>224</u>	HELPER <u>B. White</u>
BULK TRUCK	
# <u>222</u>	DRIVER <u>O. Waller</u>
BULK TRUCK	
#	DRIVER

REMARKS:

SERVICE

Test 4 1/2" @ 750' Held 500"
Inject 1/2 BPM @ 700" 721' max
25 3x Com Disp 1 BBL down 2"
Disp 9 BBL down 4 1/2 cas
Shut in 600"

Thanks

DEPTH OF JOB	<u>750</u>
PUMP TRUCK CHARGE	<u>470⁰⁰</u>
EXTRA FOOTAGE <u>450</u>	@ <u>.43</u> <u>193⁵⁰</u>
MILEAGE	@ <u>NC</u>
PLUG	@
	@
	@
TOTAL <u>663⁵⁰</u>	

CHARGE TO: Ad. Abercrombie Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		<u>886⁵⁰</u>

To Allied Cementing Co., Inc.
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TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE David Pipman

ALLIED CEMENTING CO., INC.

2802

Federal Tax I.D.

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: _____

R

DATE <i>7/3/98</i>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <i>5:30 pm</i>
LEASE <i>Selfridge</i>	WELL <i>wait Howard #2</i>	LOCATION <i>proctor's 3/4 E 35 SE</i>			COUNTY	STATE	
OLD OR NEW (Circle one)							

CONTRACTOR *Hemire well*

TYPE OF JOB *spicer*

HOLE SIZE _____ T.D. _____

CASING SIZE *4L* _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED *100' 3% CC*

used 50 _____

RECEIVED _____
KANSAS CORPORATION COMMISSION
JUL 20 1998
CONSERVATION DIVISION
WICHITA, KS

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

346 PUMP TRUCK CEMENTER *Dean*

_____ HELPER _____

BULK TRUCK _____ DRIVER _____

BULK TRUCK # *213* DRIVER *Jason*

REMARKS:

for Injection Rate increased to 500 psi for finally to 1000 spot 50 SE pulled up 500' pressure to surface wash out to 500' come out of hole and on to casing show 450 psi

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG _____ @ _____

TOTAL _____

CHARGE TO: *Abercrombie*

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *E. Abercrombie*

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____