

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

API NO. 15- 15-093-21,189 FEB 21

County Kearny  
70' E of  
W/2 - NW - NE - Sec. 3 Twp. 21S Rng. 35 X V

Operator: License # 5393

RELEASED

Name: A. L. Abercrombie, Inc.

Address 150 N. Main, Suite 801

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Jack L. Partridge

Phone ( 316 ) 262-1841

Contractor: Name: Abercrombie RTD, Inc.

License: 30684

Wellsite Geologist: Robert McCann

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SUD  SIDW  Temp. Abd.
- Gas  ENHR  SIGW
- Dry  Other (Core, MSW, Expl., Cathodic, etc)

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

Operator: N/A

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

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

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

10-10-91 10-21-91 1-5-92  
Spud Date Date Reached TD Completion Date

4620' FSL Feet from S (circle one) Line of Section

2240' FEL Feet from E (circle one) Line of Section

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

Lease Name Crist B Well # #1

Field Name unknown

Producing Formation Mississippian JLN ZN (DPO KCC)

Elevation: Ground 3149' KB 3154'

Total Depth 4990' PBDT 4690'

Amount of Surface Pipe Set and Cemented at 257.09' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1398'

feet depth to surface w/ 400 sx cat.

Drilling Fluid Management Plan 2-25-92  
(Data must be collected from the Reserve Pit)

Chloride content 25,000 ppm Fluid volume \_\_\_\_\_ bbls

evaporation \_\_\_\_\_

Location of fluid \_\_\_\_\_ hauled offsite:

Operator Name 2-25-92

Lease Name Wanna, Kansas 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 Jack K. Liberton

Title Vice Pres. Date 2-15-92

Subscribed and sworn to before me this 15 day of February 19 92.

Notary Public Angela Woodard

Date Commission Expires March 20, 1993

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log Received

C  Geologist Report Received

ANGELA WOODARD  
State of Kansas  
My Appt. Exp. Mar. 20, 1993

SUD/Rep \_\_\_\_\_ NGPA

Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

ANGELA WOODARD  
State of Kansas  
My Appt. Exp. Mar. 20, 1993

SIDE TWO

Operator Name A. L. Abercrombie, Inc. Lease Name Crist B Well # #1  
 Sec. 3 Twp. 21S Rge. 35  East  West  
 County Kearny

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  
 Heebner 3940' (-786')  
 Lansing 3992' (-838')  
 Base KC 4452' (-1298')  
 Marmaton 4480' (-1326')  
 Beymer Zone 4572' (-1418')  
 Johnson Zone 4600' (-1446')  
 Cherokee Shale 4614' (-1460')  
 Morrow Shale 4822' (-1668')  
 Morrow Sand 4840' (-1686')  
 Miss. 4914' (-1760')  
 Log T.D. 4992'

DST's 1-5 on attached sheet.

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"	28#	257.09'	60-40 posmix	160	2% gel 3% cc
Production		5 1/2"	15 1/2#	4729.39'	50-50 posmix	75	2% gel 3/4of 1% CER-2
		D.V. Tool		1398'	D-29 BJ Lite	250 400	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
4	4607'-4610'	Acid 500 gallons 15% INS 4610'

TUBING RECORD Size 2 3/8" Set At 4684' Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	75		trace		30.3

Disposition of Gas: \_\_\_\_\_ METHOD OF COMPLETION \_\_\_\_\_ Production Interval \_\_\_\_\_

ORIGINAL

KCC

FEB 2 1

CONFIDENTIAL

CRIST B #1  
70' E of W/2 NW NE  
Sec. 3-21S-35W  
Kearny Co., KS

RELEASED

MAR 2 6 1993

FROM CONFIDENTIAL

DST #1 4447'-4505' (Marmaton)  
30-45-60-45  
Fair blow building to a strong in 11 minutes  
Rec. 288' clean gassy oil  
62' muddy oil, 62' HOCM  
62' SOCM. 1600' gas in pipe  
IFPs 44-111 ISIP 322  
FFPs 144-200 FSIP 311

DST #2 4504'-4555' (Marmaton)  
30-45-60-45  
Weak blow increasing to strong in 6 minutes  
Rec. 2700' gas in pipe, 434' clean gassy oil,  
62' very muddy oil, 62' SOCM  
IFPs 66-122 ISIP 849  
FFPs 144-211 FSIP 805

DST #3 4567'-4582' (Beymer Zone)  
30-45-60-45  
Weak blow increasing to strong in 9 minutes  
Rec. 45' SOC muddy water  
62' muddy water  
868' salt water  
IFPs 33-244 ISIP 718  
FFPs 300'-444' FSIP 696

RECEIVED  
STATE CORPORATION COMMISSION

FEB 2 5 1992

CONSERVATION DIVISION  
Wichita, Kansas

DST #4 4595'-4625'  
30-45-60-45  
Strong blow 1st opening bottom of bucket in 1 minute  
2nd opening bottom of bucket in 2½ minutes  
Gas to surface during final shut in  
Rec. 2264' clean gassy oil  
93' oil cut mud (10-30% oil)  
2357' total fluid  
IFPs 122-355 ISIP 1178  
FFPs 422-696 FSIP 1156

DST #5 4752'-4800' (Cherokee limestone & Atoka)  
30-30-30-30  
weak blow  
Rec. 10' OCM (20% oil)  
IFPs 22-33 ISIP 211  
FFPs 44-44 FSIP 88



P.O. Box 4442  
Houston, Tx. 77210

# ORIGINAL FEB SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

<b>CONFIDENTIAL</b>	SERVICE CONTRACT NO. <b>609954</b>
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CUSTOMER ACCOUNT NO.	DIST NAME	NEW WELL <input type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE	JOB NUMBER	
CUSTOMER <i>A. L. ...</i>	DIST NUMBER	WELL NO.	LEASE NAME & FEDERAL OFFSHORE LEASE NO.		
ADDRESS		COUNTY/PARISH <i>Kearney</i>	CODE	STATE <i>KC</i> CODE	
CITY	STATE	ZIP	FIELD NAME <i>Abed #8</i>	CITY CODE	
AUTHORIZED BY: <i>(Please Print) P. ...</i>	ORDER NO.	WELL OWNER <i>A.L. ...</i>	MTA CODE		
STAGE NO.	JOB CODE	WORKING DEPTH	PUMPING EQUIPMENT	TIME (A OR P)	DATE
TOTAL PREV. GALS.	1 SURFACE <input type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input checked="" type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	FT.	TRUCK CALLED	<i>15:00 P</i>	MM DD YY <i>10 12 11</i>
TOTAL MEAS. DEPTH	SIZE HOLE <i>7 7/8</i>	DEPTH <i>4990</i>	ARRIVED AT JOB	<i>19:30 P</i>	<i>10 12 11</i>
FT.	SIZE & WT. CASING <i>5 1/2 15.5</i>	DEPTH <i>4729</i>	START OPERATION	<i>12:00 P</i>	<i>10 12 11</i>
PACKER DEPTH	SIZE & WT. DRILL PIPE OR TUBING	DEPTH	FINISH OPERATION	<i>16:30 A</i>	<i>10 12 11</i>
AVG PSI.	MAX PSI.	FLUID PUMPED	TIME RELEASED	<i>7:00 A</i>	<i>10 22 91</i>
			MILES FROM STATION TO WELL <i>76</i>	SALESMAN NUMBER	

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

MAX. BPM	
S/S EMPLOYEE NUMBER	

REMARKS

**RELEASED**

*10 2 6 1993*

**FROM CONFIDENTIAL**

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)  
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
<i>011</i>		<i># 102-6725 CONSERVATION DIVISION Wichita, Kansas</i>			
		<i>1352-08</i>			
		<i>Crist B-1</i>			
		<i>SP</i>			

SERVICE REPRESENTATIVE <i>P. ...</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i>
--------------------------------------	--

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)



# ORIGINAL LOAD SHEET

KCG  
FEB 21

JOB NUMBER	CONTRACT NUMBER 609964	DATE 10-21-94	<b>CONFIDENTIAL</b> DISTRICT NAME DIRECT SHIPMENT FROM OAKLEY, KS
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CUSTOMER NAME AND ADDRESS D.L. Abercrombie Inc.	DIRECT SHIPMENT FROM VENDOR NAME
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Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	410504	Class A	SK	548		
2	415018	Poz-Mix	SK	177		
3	420145	Gel	lb	2200		
4	474005	CD-31	lb	47		
5	415082	Ko1-Seal	lb	500		
6	422085	BA-29	lb	425		
7	425010	Mud Sweep	gal	500		
8						
9		<b>RELEASED</b>				
10		MAR 26 1993				
11						
12		<b>FROM CONFIDENTIAL</b>				
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**RECEIVED**  
STATE CORPORATION COMMISSION  
FEB 25 1992  
CONSERVATION DIVISION  
Wichita, Kansas

102 bids  
1352-08  
COST 1-1  
SW

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <u>Harold Steve A. Starnow</u>	CUSTOMER: <u>[Signature]</u>
	PRINTED <u>Pen with ink</u>	SIGNATURE
	SIGNATURE	DATE: <u>10-21-91</u>



P.O. Box 4442  
Houston, Texas 77210

ORIGINAL

KCC

RELEASE CEMENTING LOG

FEB 21 STAGE NO.

CONFIDENTIAL

Date 10-21-91 District OAKLEY KS Ticket No. 600061993  
Company A.L. McCormick & Co. Inc Rig R-38  
Lease Coast "R" #1 Well No. 110-2-2-11  
County Peru State KS  
Location Peru 14-5-10 Field

CEMENT DATA  
Spacer Type: 500 mil. Mud Sweep  
Amt 175 Sks Yield 1.06 ft<sup>3</sup>/sk Density 14.5 PPG  
Tail Amt 114 Sks Yield 1.14 ft<sup>3</sup>/sk Density 15.0 PPG

CASING DATA PTA  Squeeze   
Surface  Intermediate  Production  Liner   
Size 5"2 Type \_\_\_\_\_ Weight 15.5 Collar \_\_\_\_\_

LEAD Pump Time \_\_\_\_\_ hrs. Type Class A  
PA 29 Excess \_\_\_\_\_  
Amt 250 Sks Yield 1.14 ft<sup>3</sup>/sk Density 15.0 PPG  
TAIL Pump Time \_\_\_\_\_ hrs. Type 6-1/2 6"  
Amt 400 Sks Yield 1.94 ft<sup>3</sup>/sk Density 17.9 PPG

DU 1398  
Casing Depths. Top \_\_\_\_\_ Bottom \_\_\_\_\_

WATER. Lead 4.4 gals/sk Tail 5.45 gals/sk Total 9.9 Bbls  
7.8 + 32.4 = 40.2  
Pump Trucks Used RSU 6463  
Bulk Equip RSU 2037  
RSU 2750  
RSU 2752 - 6455

Drill Pipe. Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
Open Hole Size 7718 T.D. 4990 ft P.B. to \_\_\_\_\_ ft.

Float Equip Manufacturer Baker & Gemco  
Shoe Type Con-way G.S. Depth 4729  
Float Type Mod "C" n.d.f. 11 Depth 4705  
Centralizers: Quantity \_\_\_\_\_ Plugs Top 50T Btm \_\_\_\_\_  
Stage Collars Baker  
Special Equip 3 cent Back (Kemper) 1-Basket  
Disp Fluid Type water mud Amt 114 Bbls. Weight \_\_\_\_\_ PPG  
Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

CAPACITY FACTORS.  
Casing: Bbls/Lin. ft. 0238 Lin. ft./Bbl 42.01  
Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl \_\_\_\_\_  
Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl \_\_\_\_\_  
Annulus: Bbls/Lin. ft. 0309 Lin. ft./Bbl 32.40  
Perforations: From \_\_\_\_\_ ft to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE B. H. Sawles

CEMENTER R. M. Cullum

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
10:00	pm	10-21-91				Arr loc hold on job safety meeting with production man setup equip
11:45						Start float - up
2:00 AM						Finish float equip
2:30 AM						circulate for 1 hr
2:30						pump mud sweep
3:30				4-5		start lead cement - Port 5 line
4:00				4-5		start Tail cement - Port 4 line
4:15				5-6		drop plug - circulation - 113' 5" BPLS
4:40	1100 ps'					plug placed - drop bomb
4:55						plug set hole
5:05	600 ps'					open all Tail
5:15				2-2 1/2		min cement to stage
5:55				3-3 1/2		Drop plug - cement cemented at circ
6:00	1500 ps'					plug down @ 1500 ps'
6:30						Job complete
						Thank You
						R. M. Cullum



CUSTOMER COPY

ORIGINAL

FEB 21

SERVICE OPERATIONS CONTRACT CONTINUATION

CONFIDENTIAL

CONTRACT NO. 609964

DATE OF JOB: 10/21/91 DISTRICT: OAKLAND DIST. NO. 585 RELEASED BY: Bill Soules  
 CUSTOMER: A.L. Abercrombie Inc. 26 1993

FROM CONFIDENTIAL

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10110103126	1	Price of Job	1326.00	WK	1326 00
10110115191	1	2nd Stage	1000.00	KA	1000 00
1011019101015	62	Pump + 1/2 mile (Cylinder)	2.47	mi	153 14
1014110151024	548	Class A	7.11	SK	3896 28
1014110151018	177	Poz. Mix	3.81	SK	674 37
1014121011145	2200	Gel	.15	lb	330 00
10141214101015	47	CD-31	4.07	lb	191 29
10141115101812	500	Kol-seal	.35	lb	175 00
10141218101815	425	BA-29	9.47	lb	4024 75
10141215101110	506	Mud Sweep	1.73	gal	865 00
1019101215120	1	5" 2 plug container	58.00	KA	58 00
1018101010101	725	H+D	1.16	SK	841 00
101410111011	2102	Hauling (33.9 tons x 62)	.79	T/m	1660 58
1014101916100	1	5" 2 Cement Nose G.S. (B)	124.00	KA	124 00
1014101916100	1	5" 2 Model "C" Fuse + (B)	188.00	KA	188 00
1014101916100	1	5" 2 DU Tool (B)	3135.00	KA	3135 00
1014101916100	1	5" 2 Cement Basket (B)	140.00	KA	140 00
1014101916100	19	5" 2 scrapers (B)	21.80	KA	414 20
1014101916100	3	5" 2 Centralizers (B)	46.75	KA	140 25
1014101916100	3	5" 2 Centralizer Basket (G)	188.20	KA	564 60
					19902 46
		sub. total			19902 46
		less disc.			3980 49
		total			15921 97

SERVICE REPRESENTATIVE: [Signature] THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)  
 CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.