

ORIGINAL

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

API NO. 15- 179-21,044-00-00

County Sheridan
C NE NE Sec. 20 Twp. 9S Rge. 27 X E
W

Operator: License # 5422

4620 Feet from S (circle one) Line of Section

Name: Abercrombie Drilling, Inc.

660 Feet from E (circle one) Line of Section

Address: 150 N. Main, Suite 801

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

City/State/Zip Wichita, KS 67202

Lease Name: Haffner Well # 1

Purchaser: _____

Field Name: _____

Operator Contact Person: Jerry Langrehr

Producing Formation Lansing-Kansas City

Phone (316) 262-1841

Elevation: Ground 2737 KB 2742

Contractor: Name: Abercrombie RTD, Inc.

Total Depth 4155 PBSD 4135

License: 30684

Amount of Surface Pipe Set and Cemented at 302 Feet

Wellsite Geologist: Mark Galyon

Multiple Stage Cementing Collar Used? X Yes _____ No _____

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover _____

If yes, show depth set _____ Feet

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

If Alternate II completion, cement circulated from 1466

feet depth to surface w/ 450 sx cnt.

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

Drilling Fluid Management Plan ALT 2 12-21-92
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 500 ppm Fluid volume 950 bbls

Well Name: _____

Dewater: Evaporation **RECEIVED**

Comp. Date _____ Old Total Depth _____

Location: Fluid disposal if plugged offsite: _____

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

Operator Name _____ 11-20-1992
NOV 20 1992

7-31-92 8-9-92 10-2-92
Spud Date Date Reached TD Completion Date

Lease Name _____ CONSERVATION DIVISION

Quarter _____ Sec. _____ Twp. _____ S. _____ Rge. WICHITA, KS/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 Susan Williams
Title _____ Date Nov 20, 1992
Subscribed and sworn to before me this 20th day of November, 1992
Notary Public _____ My Appl. Exp. 11-15-96
Date Commission Expires 11-15-96

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

PI

SIDE TWO

Operator Name Abercrombie Drilling, Inc. Lease Name Haffner Well # 1
 Sec. 20 Twp. 9S Rge. 27 East West
 County Sheridan

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

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 1/4	8 5/8"	20#	302	60/40 pozmix	190	2% gel 3% cc
Production	7 7/8	4 1/2"	10 1/2#	4153	Sure fill 50/50 pozmix	200 75	2% gel, 7# gel/sx 3/4% CER-2
D.V. Tool				1466	Liteweight	450	

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	4006 to 4009	Acid 750; sqz. 100 sx. micro-matrix	4135
4	4006 to 4009	Acid 1250	4135
Well non-commercial			

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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 Bbls.	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

15-179-2104A-00-00

TELEPHONE:
AREA CODE 913 483-2627

ADIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

Dickins
TO: Abercrombie, Inc.
801 Union Center
Wichita, KS 67202

INVOICE NO. 62269
PURCHASE ORDER NO. _____
LEASE NAME Haffner #1
DATE July 31, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common <u>114</u> sks @\$6.35	\$723.90	
Pozmix <u>76</u> sks @\$2.65	201.40	
Chloride 5 sks @\$21.00	<u>105.00</u>	\$1,030.30
Handling <u>190</u> sks @\$1.00	190.00	
Mileage (<u>38</u>) @\$.04¢ per sk per mi	<u>155.20</u>	
Surface	380.00	
Mi @\$2.00 pmp trk chg	76.00	
1 plug	<u>42.00</u>	<u>976.80</u>

Surface

Total \$2,007.10
401.427
160568

Cement circulated

Thank you!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

RECEIVED
KANSAS CORPORATION COMMISSION

NOV 20 1992

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

DST #1 3840'-3868'
 30-45-30-45
 Rec. 25' mud
 IFP 22-22 ISIP 1177
 FFP 33-33 FSIP 862

RECEIVED
 KANSAS CORPORATION COMMISSION

NOV 20 1992

CONSERVATION DIVISION
 WICHITA, KS

DST #2 3870'-3890'
 30-45-30-45
 Rec. 95' muddy water (35,000)
 IFP 22-33 ISIP 653
 FFP 55-66 FSIP 611

DST #3 3897'-3915' D.V. Tool set at 1466'
 30-30-30-30
 Rec. 10' oil specked mud
 IFP 22-22 ISIP 1072
 FFP 22-22 FSIP 778

DST #4 3993'-4016'
 30-45-60-45
 Rec. 789' gas in pipe, 417' clean gassy oil, 10'
 oil cut mud (40% oil), 80' slightly oil cut mud
 (5% oil)
 IFP 77-143 ISIP 1146
 FFP 165-231 FSIP 1104

DST #5 4105'-4155'
 30-30-30-30
 Rec. 10' oil cut mud with a good show of free oil
 top of tool
 IFP 66-66 ISIP 143
 FFP 66-66 FSIP 121

ELECTRIC LOG TOPS

Anhydrite	2342'	(+400)
Base Anhydrite	2376'	(+366)
Heebner	3841'	(-1099)
Toronto	3863'	(-1121)
Lansing	3874'	(-1132)
Muncie Creek	3995'	(-1253)
Stark Shale	4063'	(-1321)
BKC	4108'	(-1366)
LTD	4156'	(-1414)



P.O. Box 4442
Houston, Tx. 77210

CUSTOMER COPY

AUG 13 1992

15-179-21044-00-00

SERVICE OPERATIONS CONTRACT

TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, Tx. 77297

CUSTOMER ACCOUNT NO.		DIST NAME 1445		DATE 8-9-92	SERVICE CONTRACT NO. 070693
CUSTOMER A.L. AberkCambie Inc. Prod.		DIST NUMBER 583		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE Q
ADDRESS		LEASE NAME & FEDERAL OFFSHORE LEASE NO. Haffner		JOB NUMBER 1106	
CITY Wichita		STATE Ka		COUNTY/PARISH Sheldon	CODE 57
CITY CODE 14		ZIP		FIELD NAME	CITY CODE
AUTHORIZED BY: (Please Print) Bill Sowles		ORDER NO.		WELL OWNER A.L. Aberk. Inc. Prod Co	
STAGE NO.	JOB CODE 1106	WORKING DEPTH 4154	FT	PUMPING EQUIPMENT	TIME (A. OR P)
TOTAL PREV. GALS.		SURFACE <input type="checkbox"/> INTERMEDIATE <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> REMEDIAL <input type="checkbox"/>		TRUCK CALLED	1200 P
TOTAL MEAS. DEPTH		SIZE HOLE 7 7/8		ARRIVED AT JOB	800 P
FT.		SIZE & WT. CASING 4 1/2 102		START OPERATION	
PRESSURE		SIZE & WT. DRILL PIPE OR TUBING 4 1/2		FINISH OPERATION	3:00 A
AVG. PSI.	MAX. PSI.	PACKER DEPTH	FLUID PUMPED	TIME RELEASED	4:00 AM
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT					
REMARKS					
RECEIVED KANSAS CORPORATION COMMISSION NOV 20 1992 CONSERVATION DIVISION WICHITA, KS					

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	01	SIGNED: <u>J.W.C. Craig</u> (WELL-OWNER, OPERATOR, CONTRACTOR OR AGENT)			
PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
1					
2					
3					
4		* 102-6725			
5		1352-08			
6		Haffner #1			
7					
8					
9					
10					

SERVICE REPRESENTATIVE **Bill Sowles** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

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.



SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 070693

DATE OF JOB: 01/09/92	DISTRICT: Hays	DIST. NO: 483	AUTHORIZED BY: Bill Soules
CUSTOMER: A L Abra Kombi Inc. P.O. E.			

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
		1	Pump Truck change	1263.00	E	1263 00
		1	pump truck top stage	1,000	E	1000 00
		40	pump truck milage	2.47	mi	98 80
		547	Common Cement	7.11	SK	3889 17
		203	POZ	3.81	SK	773 43
		3600	CEL	1.5	L	540 00
		1100	Gyp seal A-10	.23	L	253 00
		160	Col Chloride A-7P	.48	L	76 80
		11	FP-8	2.62	L	29 48
		550	Ko Seal	.35	L	192 50
		500	Mad Street	1.73	G	865 00
		861.6	Handling & Dumping	1.16	CFH	999 46
		1480	Hauling 37 Ton 40mi	.79	Tm	1169 20
Subtotal						11340 19
		1	Stage Cullen "B"	2676.00	E	2676 00
		1	Guide shoe "B"	109.00	E	109 00
		1	Inset "B"	168.00	E	168 00
		3	Turbo Centralizers "B"	48.50	E	145 50
		4	Basket Centralizers "G"	168.55	E	674 20
		16	Scratches "B"	16.65	E	266 40
Subtotal						4039 10

102-6725

1352-08

W.C. Casey

RECEIVED KANSAS CORPORATION COMMISSION

NOV 20 1992

CONSERVATION DIVISION WICHITA, KS

SERVICE REPRESENTATIVE: Bill R. Selman

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: W.C. Casey

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CHECK IF CONTINUATION IS USED

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



LOAD SHEET

COPY 1

JOB NUMBER	CONTRACT NUMBER 070693	DATE 8-9-92	DIRECT SHIPMENT FROM	DISTRICT NAME HAYS
------------	---------------------------	----------------	----------------------	-----------------------

CUSTOMER NAME AND ADDRESS A L Abracombro	DIRECT SHIPMENT FROM
	VENDOR NAME

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	410504	Common Cement	SK	325		16
2	415018	POZ	SK	175		9
3	42045	Bel	L	2600 500	(475) 25	100
4	425010	Mud sweep	G	500		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

RECEIVED
 KANSAS CORPORATION COMMISSION
 NOV 20 1992
 CONSERVATION DIVISION
 WICHITA, KS

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <u>Carl B. Allen</u> <small>PRINTED</small>	CUSTOMER: _____ <small>SIGNATURE</small>
	<u>W.C. Allen</u> <small>SIGNATURE</small>	DATE: <u>8-9-92</u>



LOAD SHEET

15-179-21044-00-00

ORIGINAL

JOB NUMBER	CONTRACT NUMBER	DATE	DIRECT SHIPMENT FROM	DISTRICT NAME
	070693	8-9-92		DgKler

CUSTOMER NAME AND ADDRESS	DIRECT SHIPMENT FROM
A-L Abercrombie Inc. Prod. Co	VENDOR NAME

Item No.	Part Number	Description	UNIT OF MEASURE	AMOUNT LOADED	DIRECT SHIPPED	AMOUNT RETURNED
1	465504	Common	SK	232		
2	415018	POZ	SK	37		
3	420145	Gel production	L	900		
4	428020	Gypseal	L	1100		100
5	415082	KCL Seal	L	550		
6	424005	CD-31	L	47		
7	424530	FP-8	L	11		
8	415049	Cg1 Chloride A-7P	L	160		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						

RECEIVED
 KANSAS CORPORATION COMMISSION
 NOV 20 1992
 CONSERVATION DIVISION
 WICHITA, KS

COPY 1 - DISTRICT COPY COPY 2 - CUSTOMER COPY COPY 3 - HOUSTON	LOADED BY: <u>TERRY HINDRICH</u>	CUSTOMER
	<u>W.C. Cavin</u>	SIGNATURE
	DATE: <u>8-9-92</u>	



P.O. Box 4442
Houston, Texas 77210

ORIGINAL 15-179-21044-00-00 CEMENTING LOG

RECEIVED
KANSAS CORPORATION COMMISSION

STAGE NO.
NOV 20 1992

Date 8-9-92 District HAY1 Ticket No. 070693
Company Al. Baker, Inc. Prod. Co. Rig Abern # 10
Lease Hoffman Well No. 1
County Shelby State Kan
Location 656E Hoxie Field _____

CEMENT DATA:
Spacer Type: 500 gal Mud Sweep
Amt. 500 gal Sks Yield _____ ft³/sk _____ PPG
CONSERVATION DIVISION
WICHITA, KS

CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 4 1/2 Type USED Weight 102 Collar _____

LEAD: Pump Time 50/50 2% gel hrs. Type _____
Excess _____
Amt. 75 Sks Yield 1.21 ft³/sk Density 13.7 PPG

Casing Depths: Top _____ Bottom _____
Production during

TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. 200 Sks Yield 1.58 ft³/sk Density 14.9 PPG

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
Open Hole: Size 7 3/8 T.D. _____ ft. P.B. to _____ ft.

WATER: Lead 5.43 gals/sk Tail 7.18 gals/sk Total 44 Bbls.
Top stage SKS Brite 1.747 7.86PS 13.4
Pump Trucks Used 46029 Deun
Bulk Equip. 3030 - Can/ TRKKY

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 10159 Lin. ft./Bbl. 62.170
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer Baker
Shoe: Type Cement nose Depth _____
Float: Type AFU Depth _____
Centralizers: Quantity TURBO Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. Interlock Basket - Scratchers
Disp. Fluid Type water Amud Amt. _____ Bbls. Weight _____ PPG
Mud Type Chemical Weight _____ PPG

COMPANY REPRESENTATIVE Bill Soules

CEMENTER Brian P. Fickum

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						Pipe set at 4154 Shoe at 18 Tangent at 4136 RTD.
				10		Mix & pump 500gal mud sweep Follow w/ 75 lbs 50/50 pot 2% gel 7" Kolseal pipe 3/4 of 1% CPA2 Follow w/ 200 lbs sweep Pump plus w/ 42 bbls of water Follow w/ 25.3 bbls of mud Land plug at 1100 PSI Floor did hold
				34		
				42.3 water / 25.3 mud		
				93		D.V. Tool at 1467 1100 PSI TO open tool
				25.3		(40%) Cement with 40% of B.J. Lite Pump plus w/ 25.3 bbls of water Land plug and close tool at 1150 PSI
						Cement did not cure Lost circulation while mixing Job complete at 3:10pm
						15 lbs mouse hole 10 lbs fat hole