

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- 101-21,581-00-00  
County Lane  
NE/4 SW/4 NE/4 Sec. 25 Twp. 19S Rge. 28 X East West  
3630' Ft. North from Southeast Corner of Section  
1650' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Ware Well # #6  
Field Name Wildcat  
Producing Formation Lansing-Kansas City  
Elevation: Ground 2738' KB 2743'  
Total Depth 4679' PBDT 4616'

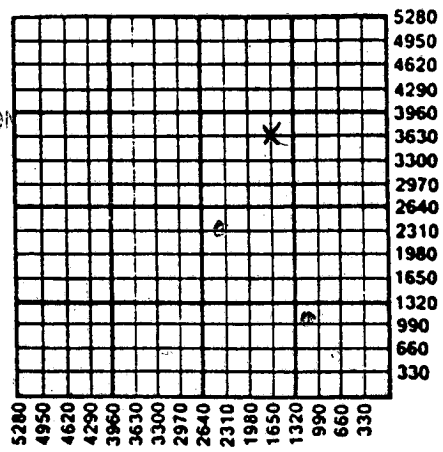
Operator: License # 5393  
Name: A. L. Abercrombie, Inc.  
Address 150 N. Main, Suite 801  
City/State/Zip Wichita, KS 67202  
Purchaser:  
Operator Contact Person: Jerry A. Langrehr  
Phone ( 316 ) 262-1841

Contractor: Name: Abercrombie RTD, Inc.  
License: 30684

Wellsite Geologist: Mike Dixon  
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  
4-20-91 4-29-91 5-16-91  
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 267.79 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1357' Feet  
If Alternate II completion, cement circulated from 1357'  
feet depth to surface w/ 500 sx cmt.

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06-04-1991  
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Wichita Kansas

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 Jack K. Wharton  
Title Vice Pres. Date 6-3-91  
Subscribed and sworn to before me this 3rd day of June, 19 91.  
Notary Public Angela Woodard  
Date Commission Expires 3-20-93

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

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 A. L. Abercrombie, Inc. Lease Name Ware Well # #6

Sec. 25 Twp. 19S Rge. 28  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.)

Name	Formation Description	
	Top	Bottom
Anhydrite	2058'	(+685')
Base Anhydrite	2086'	(+657')
Heebner	3957'	(-1214')
Toronto	3972'	(-1229')
Lansing	3997'	(-1254')
Muncie Creek	4168'	(-1425')
Stark Shale	4268'	(-1525')
Hushpuckney	4300'	(-1557')
EKC	4348'	(-1605')

Log  Sample

(Continued on attached sheet)

DST #1 4238'-4255' (J Zone)  
 30-45-60-45  
 Strong blow  
 Rec. 970' water with 2" free oil on top  
 IFPs 74-149 ISIP 850  
 FFPS 213-330 FSIP 850 (15,000 chlorides  
 Temp 121°) (DSTs #2,3 & 4 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#	267.79	60-40posmix	180	2% gel 3% cc
Production		5 1/2"	14#	4672.48	50-50posmix	45	2%gel 6% gel
					D-29	200	
DV Tool				1357'	B.J. Lite	500	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
Slot	4302'-4303'	210 bbls of 3% Gelled Acid w/ 1# 20-40 sd. per gallon	4616
		250 gallon 15% INA	4616

**TUBING RECORD** Size 2 7/8 Set At 4607' Packer At \_\_\_\_\_  
 Liner Run  Yes  No

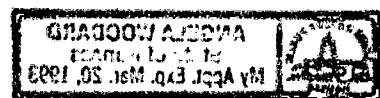
Date of First Production 5-17-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours  
 Oil 74 Bbls. Gas 22 Mcf Water 22 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

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

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

Production Interval 4302'-4303'



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WARE #6

NE/4 SW/4 NE/4  
Sec. 25-19S-28W  
Lane Co., KS

DST #2 4264'-4288' (K Zone)

30-45-60-45

Weak to good blow (6" in bucket)

Rec. 50' mud w/specks of oil

200' water

IFPs 43-43            ISIP 860

FFPs 74-85            FSIP 828

DST #3 4304'-4321' (L Zone)

30-45-60-45

Strong blow decreasing to good

Rec. 496' gas in pipe, 35' clear gassy oil,

243' oil cut muddy water (20% oil, 20% gas, 10% mud, 50% water)

1454' water

IFPs 595-913            IBHP 913

FFPs 913-913            FBHP 913

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DST #4 4299'-4306' (L Zone)

Straddle Packers

30-45-60-45

Strong blow throughout

Rec. 1674' gip, 1694' fluid

558' clear gassy oil (15% gas, 85% oil)

671' gas & mud cut oil (15% gas, 20% mud, 65% oil)

62' gas & water cut muddy oil (15% gas 25% water, 30% mud, 30% oil)

403' slight oil cut muddy water (1% oil, 10% mud, 89% water)

IFPs 128-383            IBHP 860

FFPs 436-659            FBHP 892

ELECTRIC LOG TOPS (cont.)

Marmaton 4374' (-1631')

Fort Scott 4523' (-1780')

Cherokee Shale 4547' (-1804')

Mississippi 4616' (-1873')

LTD 4677'

DTD 4679'

ORIGINAL

REPORT OF RUNNING AND CEMENTING CASING

MAY 03 1991

A. L. ABERCROMBIE, INC.

ABERCROMBIE DRILLING, INC.

15-101-21581-00-00

Date 4-29-91

Lease Name Ware Well No. #6

Lease Owner/Operator AL Abercrombie Inc.

Drilling Contractor Abercrombie R.T.D. Inc. Rig No. 8

Location NE-SW-NE Sec. 25 Twp 19 Rge 28 County Lawe

Casing Received From: (Supply) Sunrise Supply Inv. No. \_\_\_\_\_

Casing Charged To: (Company) A.L. Abercrombie Inc.

Casing Trucked By: Cheyne Trucking

Amount Of Casing Received 126 Jts. 4885.88 Ft.

Amount Of Casing Left Over 6 Jts. 213.40 (KANSAS OFF) Ft.

Disposition Of Casing Left Over Back To Sunrise

Rotary Bushing T.D. 4679 Ft. Size Of Hole 7 7/8 In.

Casing Set At: (R.B. To Bottom Of Shoe) 120 Jts. 4672.48 (Third Off) Ft.

Size 5 1/2 Weight 14 Thread 8 RD

Range 3 Grade used Make ---

Shoe (Type—Make) Baker Guid. Float Collar (Type—Make) Baker Insert

Stage Collar (Make—Set At) D-U TOOL #85 @ 1390

Centralizers (Set At) #1 @ 4646, #4 @ 4525, #9 @ 4323, #12 @ 4224

#15 @ 4104

Basket #85 @ 1390 #102 @ 729

Scratch From 4340' To 4257'

Cemented With \_\_\_\_\_ Sacks Of CK Below Cement

Cemented By B.S. T. Tan Plug To: 4639.55 Ft.

Plugs (Number—Type) 2-5 1/2 Rubber.

Longstring—R.B. To Top Of Braden Head 7' Ft.

Surface String—R.B. To Top Of Collar 8' Ft.

Remarks: Ran 120 jts 5 1/2 x 14" casing tall 4682.48 set @

4672.48 w/ bottom 500 gal flush + 45 sv 5/50 port to loc

+ 6" bit. so.ite Per set 3/4 of 1" CFR 2 + 200 sv 0-29 -

Top stage - 500 sv BS light

Bottom Plug Down @ 9:45 PM 4-29-91 Top Plug Down @ 10:30 PM 4-29-91

NOTE: All measurements to be made in feet and hundredths.  
All casing to be ran in numerical order of tally.  
Attach tally to back of casing report.

*Anthony Ward*  
Company Representative

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PIPE TALLY

15-101-21581-00-00 DATE 4-20 1991

No. Pcs.	LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
1	38	28								
2	34	74								
3	36	55								
4	36	38								
5	38	40								
6	37	24								
7	38	20								
8	259	79	Tally							
9	8	—	handing							
10	267	79	SET							
11	5	—	EXTRA HELP							
12	272	79	RTD.							
13										
14										
15										
16										
17										
18										
19										
20										
Total										

Tally Threads on 261.54

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Col. No.	Stock of <u>Abercrombie Ford Stock</u>
1	Weight <u>28 #</u> Size <u>8 5/8</u>
2	Grade <u>Used</u> Coupling _____ Thd <u>8 RD</u>
3	From <u>Abercrombie Ford</u>
4	Sent To <u>Ware #6</u>
5	Remarks _____
Total	

No. Joints 7 Car No. \_\_\_\_\_ B/L No. \_\_\_\_\_  
Tallied By Anthony Mart

APR 24 1991

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REPORT OF RUNNING AND CEMENTING CASING

A. L. ABERCROMBIE, INC.

ABERCROMBIE DRILLING, INC.

15-101-21581-00-00

Date 4-20-91

Lease Name Waco Well No. 272  
 Lease Owner/Operator A.L. Abercrombie Inc.  
 Drilling Contractor Abercrombie HTD Inc. Rig No. 8  
 Location NE-SW-NE Sec. 25 Twp 19s Rge 23W County Leone  
 Casing Received From: (Supply) Abercrombie Field Stock Inv. No. \_\_\_\_\_  
 Casing Charged To: (Company) A.L. Abercrombie Inc.  
 Casing Trucked By: Our Trucks  
 Amount Of Casing Received 7 Jts. 261.54 (Thanks on) Ft.  
 Amount Of Casing Left Over - Jts. - Ft.  
 Disposition Of Casing Left Over -

Rotary Bushing T.D. 272 Ft. Size Of Hole 12 1/4 In.  
 Casing Set At: (R.B. To Bottom Of Shoe) 7 Jts. 267.79 (Thanks on) Ft.  
 Size 8 5/8 Weight 22 Thread 8 10  
 Range 5 Grade used Make \_\_\_\_\_  
 Shoe (Type—Make) Texas Slip Float Collar (Type—Make) \_\_\_\_\_  
 Stage Collar (Make—Set At) \_\_\_\_\_  
 Centralizers (Set At) \_\_\_\_\_  
 Scratchers (Set At) - 1

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Cemented With 180 Sacks Of Cofam Pac 2900 3 1/2 cc Cement  
 Cemented By Allied Plug To: 247.79 Ft.  
 Plugs (Number—Type) 1 X 8 5/8 Rubber Plug  
 Longstring—R.B. To Top Of Braden Head 7 Ft.  
 Surface String—R.B. To Top Of Collar 8 Ft.

Remarks: Spur in 12:50 PM 4-20-91 Run 7 1/2" used 8 5/8 x 20" casing  
Tally 259.79 Set 267.79 180 x Cofam Pac 2900 3 1/2 cc  
By Allied HTD 272 S.W. 1/4 Sec 25 Twp 19S Rge 23W Co. Leone  
Plug Down 7:00 PM 4-20-91 Drill Plug 3:00 AM 4-21-91

Watson Waco 25 Francis Heath HCB1 Box 51 Dighton KS 67539 #720<sup>cc</sup>

NOTE: All measurements to be made in feet and hundredths.  
 All casing to be ran in numerical order of tally.  
 Attach tally to back of casing report.

*[Signature]*  
 Company Representative