

ORIGINAL

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

API NO. 15- 165-21,551-0000

County Rush

C. E./2 NW SE Sec. Y 4 Twp. 19S Rge. 17  East  West

Operator: License # 5393

1980'  Ft. North from Southeast Corner of Section

Name: A. L. Abercrombie, Inc.

1650'  Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 150 N. Main, Suite 801

Lease Name Moore 'I' Well # #1

City/State/Zip Wichita, KS 67202

Field Name Wildcat

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

Producing Formation Arbuckle

Operator Contact Person: Jerry A. Langrehr

Elevation: Ground 2110' KB 2115'

Phone ( 316 ) 262-1841

Total Depth 3870' PBDT \_\_\_\_\_

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422 STATE CORPORATION COMMISSION

Wellsite Geologist: Steve Frankamp

Designate Type of Completion  
 New Well  Re-Entry  Workover CONSERVATION DIVISION  
Wichita, Kansas

Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

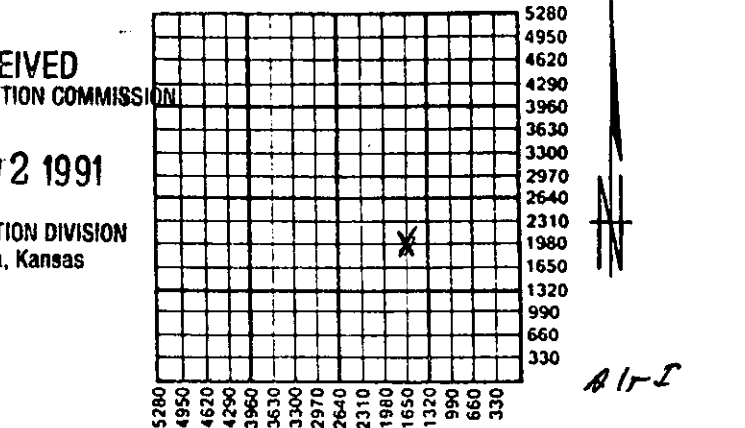
If **OWNO**: old well info as follows:  
Operator: N/A

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

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

2-25-91 3-4-91 3-22-91  
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 480.25' Feet

Multiple Stage Cementing Collar Used?  Yes  No

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

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ 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 Jack T. Wharton

Title Vice Pres. Date 5-1-91

Subscribed and sworn to before me this 1st day of May, 19 91.

Notary Public Angela Woodward

Date Commission Expires 3-20-93

**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 Moore 'L' Well # 1  
 Sec. 4 Twp. 19S Rge. 17  East County Rush  
 West

**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.

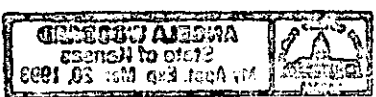
Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  DST #1 (3819'-3870') Arbuckle 60-45-60-45 Rec. 300' fluid, 60' OCM (5' oil), 60' OCM (25% oil), 180' MCO (85% oil, 10% mud, 5% IFPs 58-83 ISIP 1104 water) FFPS 124-157 FSIP 1104	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Formation Description</th> </tr> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1224'</td> <td>(+891')</td> </tr> <tr> <td>Base Anhydrite</td> <td>1253'</td> <td>(+862')</td> </tr> <tr> <td>Heebner</td> <td>3451'</td> <td>(-1336')</td> </tr> <tr> <td>Toronto</td> <td>3467'</td> <td>(-1352')</td> </tr> <tr> <td>Lansing</td> <td>3501'</td> <td>(-1386')</td> </tr> <tr> <td>BKC</td> <td>3767'</td> <td>(-1652')</td> </tr> <tr> <td>Arbuckle</td> <td>3867'</td> <td>(-1752')</td> </tr> <tr> <td>LTD</td> <td>3871'</td> <td></td> </tr> </tbody> </table>	Formation Description			Name	Top	Bottom	Anhydrite	1224'	(+891')	Base Anhydrite	1253'	(+862')	Heebner	3451'	(-1336')	Toronto	3467'	(-1352')	Lansing	3501'	(-1386')	BKC	3767'	(-1652')	Arbuckle	3867'	(-1752')	LTD	3871'	
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CASING RECORD <input type="checkbox"/> New <input 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"	28#	480.25'	60-40pozmix	250	2% gel 3%cc
Production		5 1/2"	14#	3869.77'	50-50pozmix Common	60 100	10%gel 7#gil 18% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot		Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)			Depth
Open Hole		3870'-3878'		3500'			3878'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size		Set At		Packer At			
2 3/8		3867'					
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
3-22-91							
Estimated Production Per 24 Hours		Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		Gravity
		66.8		0			

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: OH 3870'-3878'



15-165-21551-0000

A. L. ABERCROMBIE, Inc.

ORIGINAL 1991

PIPE TALLY

DATE 2-25 1991

No. Pcs.	LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.	Ft.	Ins.
1	3	8 15								
2	3	8 75								
3	3	9 96								
4	3	6 05								
5	4	0 25								
6	4	0 75								
7	3	7 60								
8	4	1 48								
9	3	5 10	OUT							
10	3	9 08								
11	3	9 18								
12	4	0 35								
13	4	0 65								
14	5	0 7 35								
15	3	5 10								
16	4	7 2 25	Tally							
17	8	—	landing							
18	4	8 0 25	SET							
19										
20			RTD 488'							
Total										

Tally Threads on 510.60

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MAY 02 1991 5-2-91 CONSERVATION DIVISION Wichita, Kansas

Col. No.	
1	
2	
3	
4	
5	
Total	

Stock of A.L. Abercrombie Inc.  
 Weight 28<sup>lb</sup> Size 8 5/8  
 Grade used Coupling \_\_\_\_\_ Thd 8<sup>RO</sup>  
 From Midwestern supply (Hays)  
 Sent To Moore 'L' #1

Remarks \_\_\_\_\_

No. Joints \_\_\_\_\_ Car No. \_\_\_\_\_ B/L No. \_\_\_\_\_

Tallied By Martin

15-165-21551-0000

ORIGINAL

REPORT OF RUNNING AND CEMENTING CASING

A. L. ABERCROMBIE, INC.

ABERCROMBIE DRILLING, INC.

Date 2-25-91

Lease Name Moore 'L' Well No. #1  
 Lease Owner/Operator A.L. Abercrombie Inc.  
 Drilling Contractor Co. Tools Rig No. 8  
 Location E-2/NW/SE Sec. 4 Twp 19s Rge 17W County Rush  
 Casing Received From: (Supply) Midwestern (Supply Hays) Inv. No. \_\_\_\_\_  
 Casing Charged To: (Company) A.L. Abercrombie Inc.  
 Casing Trucked By: Midwestern  
 Amount Of Casing Received 13 Jts. 510.60 (Threads 07) Ft.  
 Amount Of Casing Left Over 1 Jts. 35.35 (Threads 11) Ft.  
 Disposition Of Casing Left Over \_\_\_\_\_

Rotary Bushing T.D. 488 Ft. Size Of Hole 12 1/4 In.  
 Casing Set At: (R.B. To Bottom Of Shoe) 12 Jts. 480.25 (Threads OFF) Ft.  
 Size 8 5/8 Weight 28<sup>th</sup> Thread 8 R<sup>th</sup>  
 Range 3 Grade Used Make ✓  
 Shoe (Type—Make) Texas Slice Float Collar (Type—Make) —RECEIVED  
 Stage Collar (Make—Set At) —  
 Centralizers (Set At) —  
 Scratchers (Set At) —

MAY 2 10 1991  
 5-2-91  
 CONSERVATION DIVISION  
 Wichita, Kansas

Cemented With 250 Sacks Of 6 1/4 poz 2 3/4 gal 3% CC Cement  
 Cemented By Allied Plug To: \_\_\_\_\_ Ft.  
 Plugs (Number—Type) 1x 8 5/8 rubber Plug  
 Longstring—R.B. To Top Of Braden Head 9' Ft.  
 Surface String—R.B. To Top Of Collar 8' Ft.

Remarks: Spudded @ 4:00 pm - 2-25-91 Ran 12 Jts used 8 5/8 x 28<sup>th</sup> casing tally 472.25 Set @ 480.25 7250 sy 6 1/4 poz 2 3/4 gal 3% CC By Allied RTP 488 Survey is (1 1/2) WOC 8 In. Plug Down @ 4:00 AM 2-25-91 Drill Plug @ 12:00 AM 2-26-91

Water: Ernest Bucl RR2- Box 83- Timken, Ks. 67582 \$700<sup>00</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.

Good shale from 442' to 488'  
 Cement Did Circ.

Anthony Martz  
 Company Representative

MAR 11 1991

15-165-21551-0000

REPORT OF RUNNING AND CEMENTING CASING

A. L. ABERCROMBIE, INC. ORIGINAL ABERCROMBIE DRILLING, INC.

Date 3-4-91

Lease Name Moore 'L' Well No. #1  
 Lease Owner/Operator A.L. Abercrombie Inc.  
 Drilling Contractor Abercrombie Drilling Inc. Rig No. 8  
 Location E/2-NW-S/4 Sec. 4 Twp 19 Rge 17<sup>th</sup> County Rush  
 Casing Received From: (Supply) A+W Supply Inv. No. \_\_\_\_\_  
 Casing Charged To: (Company) A.L. Abercrombie Inc.  
 Casing Trucked By: Our Truck + Rainbow Trucking  
 Amount Of Casing Received 101 Jts. 40 @ 9.61 (FRAC) (OFF) Ft.  
 Amount Of Casing Left Over 4 Jts. 134.84 (FRAC) (OFF) Ft.  
 Disposition Of Casing Left Over Back To Yard.

Rotary Bushing T.D. 3870 Ft. Size Of Hole 7 7/8 In.  
 Casing Set At: (R.B. To Bottom Of Shoe) 97 Jts. 3869.77 Ft.  
 Size 5 1/2 Weight 14<sup>lb</sup> Thread 8 R<sup>h</sup>  
 Range 3 Grade used Make \_\_\_\_\_  
 Shoe (Type—Make) Baker Guide Float Collar (Type—Make) Baker Insert  
 Stage Collar (Make—Set At) None  
 Centralizers (Set At) #1 @ 3846' + #5 @ 3721' + #7 @ 3638' + #10 @ 3554'  
+ #11 @ 3385  
 Scratchers (Set At) None

RECEIVED STATE CORP. TID. COMM. 11

MAY 02 5-2-91

Cemented With \_\_\_\_\_ Sacks Of CK Below  
 Cemented By B.S. T. Ton Plug To: 3844 Ft.  
 Plugs (Number—Type) 1X 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 97 ft used 5 1/2 x 14<sup>lb</sup> casing tally 3874.77  
Set @ 3869.77 / 60 sx 5 9/16 for 2906.42 + 7<sup>th</sup> G.L. sanitary for 5x.  
+ 3/4 of 1<sup>st</sup> FRAC - + 100 sx Conn. 18<sup>th</sup> Sack  
Plug Down @ 730 AM 3-4-91  
15 sx In Plat Hole Wire line Tagged 3860

CONSE. Cement Wichita, Kan.

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 Moore Company Representative