

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 3294
name Walden and Applegate, Inc.
address 134 Union Blvd. #165
Lakewood, CO 80228
City/State/Zip

Operator Contact Person Neil Walden
Phone (303) 985-5237

Contractor: license # 5840
name Brandt Drilling Co., Inc.

Wellsite Geologist Harvey Young
Phone (303) 753-0383

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

8/30/88 9/7/88 9/8/88
Spud Date Date Reached TD Completion Date

4770
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 286 feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

API NO. 15- 077-21, 180

County Harper

NW NW SW Sec 31 Twp 31 Rge 6 East
(location) West

2310 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

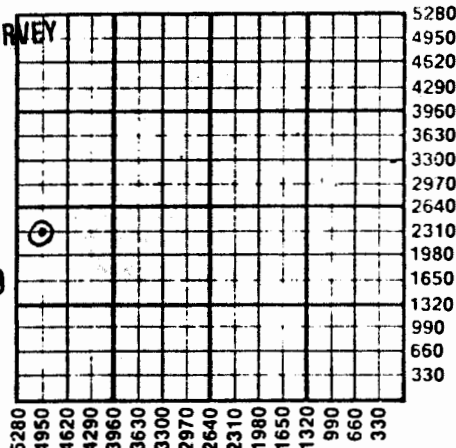
Lease Name Joseph A. Tihen Well# 1

Field Name Seyb

Producing Formation

Elevation: Ground 1411 KB 1415

Section Plat



KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

FEB 17 1989

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

☐ Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge ☐ East ☐ West

☒ Other (explain) Lessor
(purchased from city, R.W.D.#)

Disposition of Produced Water: ☐ Disposal
Repressuring

Docket #

FEB 15 1989

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply. Wichita, Kansas

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.

copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with temporarily abandoned wells.

Requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements are complete and correct to the best of my knowledge.

Title President Date 2/13/89

Subscribed and sworn to before me this 13 day of February 19 89

Notary Public Commission Expires 11-26-90 143 Union Blvd.
Lakewood, Co. 80228

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)

Form ACO-1
(This form supercedes
previous forms
ACO-1 & C-10)

Sec. 31 Twp. 31 Rge. 6 W

Operator Name Walden and Applegate, Inc. Lease Name J. A. Tihen Well# 1 SEC 31 TWP 31 RGE 6 ☐ East ☒ West

WELL LOG

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
Samples Sent to Geological Survey
Cores Taken

☐ Yes ☒ No
☒ Yes ☐ No
☐ Yes ☒ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

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
.....							
.....							
.....							
.....							

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
.....			
.....			
.....			
.....			
.....			

PUMPING RECORD

size

set at

packer at

Liner Run

☐ Yes☐ No

Date of First Production

Producing method

☐ flowing☐ pumping☐ gas lift☐ Other (explain)First Production
per 24 Hours

Oil

Gas

Water

Gas-Oil Ratio

Gravity

Bbls

MCF

Bbls

CFPB

Position of gas: ☐ vented☐ sold☐ used on lease

METHOD OF COMPLETION

☐ open hole☐ perforation☐ other (specify)☐ Dually Completed.☐ Commingled

PRODUCTION INTERVAL

31-31-6W

WELL RESUME

OPERATOR: Walden and Applegate, Inc.
134 Union Boulevard, Suite 615
Lakewood, Colorado 80228

WELL NAME: No. 1 Joseph A. Tihen

LOCATION: CNWNWSW of Section 31, T31S - R6W
Harper County, Kansas

ELEVATION: GR: 1411' DF: 1413' KB: 1415'
(Corrected elevation by Laughlin-Simmons,
Larry Riffey)

HOLE SIZE: 12-1/4" to 290'
7-7/8" to Total Depth

CASING: 8-5/8", 286' of 24 lb., used pipe with 175
sx. 60/40 POZ, 2% gel, 3% CaCl

SPUD DATE: August 30, 1988

REACHED TD: September 7, 1988

LOGS OUT: September 8, 1988

PRODUCTION
CASING: None

CONTRACTOR: Brandt Drilling Company, Inc.
200 West Douglas, Suite 700
Wichita, Kansas 67202
(316) 267-4335
Dave Drake, Tool Pusher

MUD PROGRAM: MUD-CO, Inc.
100 South Market, Suite 203
Wichita, Kansas
(316) 672-7531
Curtis Hicks, Mud Engineer

GAS DETECTOR: Analitical of Kansas
PO Box 102
Pratt, Kansas 67124
(316) 672-7531
Hot wire and chromatograph operating from
1000' to Total Depth

DRILL STEM TEST: None

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31-31-6W

WELL RESUME (Page 2)

LOGGING PROGRAM: Schlumberger, Great Bend, Kansas
Anne Grayson, Engineer
DIL - SFL w/GR: from 280' to 4768'
LDT - CNL w/GR: from 2850' to 4768'
EPT w/GR: from 3700' to 4768'
CYBERLOOK: from 3700' to 4768'

DRILL SAMPLES: 1300' to 4770' @ 10' intervals

FORMATION AT TD: Simpson Shale

TOTAL DEPTH: Driller - 4770: 4769' Pipe Strap
Log - 4768'

WELL STATUS: Plugged and Abandoned

GEOLOGICAL
SUPERVISION: Harvey C. Young
Harvey Young and Company
Consulting Geologists
3659 South Newport Way
Denver, Colorado 80237
(303) 753-0383

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31-31-6W

FORMATION TOPS

<u>FORMATION</u>	<u>DEPTHS</u>		<u>SUBSEA ELEV</u>
	<u>SAMPLE</u>	<u>LOG</u>	<u>LOG TOPS</u>
<u>PERMIAN SYSTEM</u>			
Hutchinson Salt		782	+634
<u>CHASE GROUP</u>		1321	+95
Winfield Ls.		1392	+24
Towanda Ls.		1463	-47
Base Florence Ls.		1611	-195
<u>COUNCIL GROVE GROUP</u>		1701	-285
Beattie Ls.	1840	1841	-425
Cottonwood Ls.		1874	-458
<u>ADMIRE GROUP</u>	2079	2080	-664
Onaga Sh.	2156	2157	-741
Indian Cave Ss.	2176	2175	-759
<u>PENNSYLVANIAN SYSTEM</u>			
<u>WAUBAUNSEE GROUP</u>	2203	2204	-788
Tarkio Ls.	2332	2333	-917
Tarkio Ss.		2386	-970
Emporia Ls.		2419	-1003
<u>SHAWANEE GROUP</u>		?	
Topeka Ls.		?	
Base Lecompton Ls.	2993	2994	-1578
Elgin Ss.		Not Present	
Heebner Sh.	3190	3189	-1773
<u>DOUGLAS GROUP</u>		3230	-1814
Stalnaker Ss.		Not Present	
<u>KANSAS CITY GROUP</u>	3731	3728	-2312
Stark Sh.	3863	3861	-2445
Swope Ls.	3871	3869	-2453
Hertha Ls.	3906	3907	-2491
Base Kansas City	3949	3945	-2529
<u>PLEASANTON GROUP</u>	3949	3945	-2529
<u>MARMATON GROUP</u>		4002	-2586
Lenapah Ls.	4026	4022	-2606
Fort Scott Ls.	4133	4137	-2721
<u>CHEROKEE GROUP</u>	4148		-2731
Lo Cherokee Sh.			-2841

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2-31-62

<u>FORMATION</u>	<u>DEPTHS</u>		<u>SUBSEA ELEV</u>
	<u>SAMPLE</u>	<u>LOG</u>	<u>LOG TOPS</u>
<u>MISSISSIPPIAN SYSTEM</u>			
Mississippian Re-worked	4327	4321	-2905
Mississippian	4334	4337	-2921
<u>DEVONIAN - MISS. SYSTEM</u>			
Kinderhook Sh.	4579	4583	-3167
Chattanooga Sh.	4676	4673	-3257
Misener Sh.	4707	4705	-3289
<u>ORDOVICIAN SYSTEM</u>			
<u>SIMPSON GROUP</u>			
Simpson Sh.	4710	4710	-3294
	4756	4755	-3340
TOTAL DEPTH		4769	-3353

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