

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.
 Dry Other (Core, Water Supply etc.)

If OWWQ: 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 PBT D

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, 180-0000 (2)

County Harper

NW NW SW Sec 31 Twp 31 Rge 6 East West

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

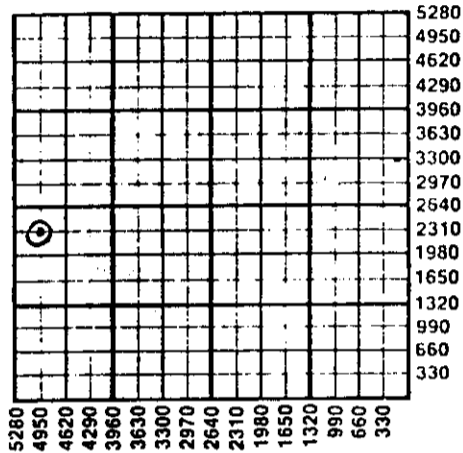
Lease Name Joseph A. Tihen Well# 1

Field Name Seyb

Producing Formation

Elevation: Ground 1411 KB 1415

Section Plat



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 #

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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.

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. 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 [Signature]
Title President Date 2/13/89

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

Notary Public [Signature]
Date Commission Expires 1-26-90 143 Union Blvd.
Lakewood, Co. 80228

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Time Log 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

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken 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
.....
.....
.....
.....

TUBING RECORD size _____ set at _____ packer at _____ Liner Run Yes No

Date of First Production _____ Producing method flowing pumping gas lift Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	
.....

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION open hole perforation other (specify)

Dually Completed. Commingled

PRODUCTION INTERVAL

FORMATION TOPS

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

4147 RECEIVED
4257 RECEIVED
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<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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Wichita, Kansas

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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Wichita, Kansas

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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