

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 # 6039  
name L. D. Drilling, Inc.  
address Rt #1, Box 183B  
City/State/Zip Great Bend, KS 67530

Operator Contact Person L. D. Davis  
Phone 316-793-3051

Contractor: license # 5657  
name Slawson Drilling, Inc.

Wellsite Geologist Alan Banta  
Phone 316-682-1537

PURCHASER Koch Oil Company

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp  
 Dry  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  
10-9-84 10-18-84 11-1-84  
Spud Date Date Reached TD Completion Date  
4640'  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 334 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 - 109-20,353-0000  
County Logan  
NE NE SW Sec 13 Twp 11 Rge 21 32  
(location)

2310... Ft North from Southeast Corner of Secti  
2970... Ft West from Southeast Corner of Secti  
(Note: locate well in section plat below)

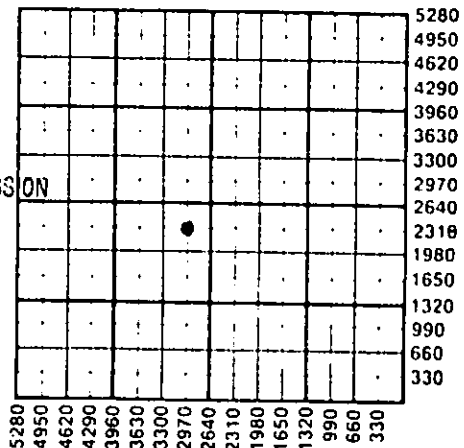
Lease Name BRUNGARDT Well# 1

Field Name WALZ

Producing Formation Kansas City

Elevation: Ground 2985' KB 2991'

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
12-19-84 DEC 19 1984  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Source of Water:  
Division of Water Resources Permit #  
 Groundwater... Ft North From Southeast Corner an  
(Well) ... Ft. West From Southeast Corner  
Sec Twp Rge [ ] East [ ] West  
 Surface Water... Ft North From Southeast Corner an  
(Stream, Pond etc.)... Ft West From Southeast Corner  
Sec Twp Rge [ ] East [ ] West  
 Other (explain) hauled water  
(purchased from city, R.W.D.#)

Disposition of Produced Water: [ ] Disposal [ ] Repressuring  
Docket #

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.

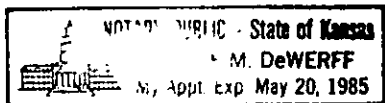
All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature L. D. Davis  
Title President Date 12-12-84

Subscribed and sworn to before me this 12 day of December 19 84

Notary Public Bessie M. DeWerff  
Date Commission Expires May 20, 1985

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)



Sec. 13 Twp. 11. Rge. 21

Operator Name L. D. Drilling, Inc. Lease Name BRUNGARDT Well# 1 SEC 13 TWP. 11 RGE. 32  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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Shale 0 3710  
 Shale & Lime 3710 4059  
 Lime 4059 4640

Name	Top	Bottom
Anhy	2489	2517
Heebner	3965	
Toronto	3989	
Lans K/C	4005	
Stark Shale	4224	
Base K/C	4286	
Marmaton	4317	
Pawnee	4410	
Myrick Station	4450	
Fort Scott	4476	
Cherokee Shale	4505	
Mississippi	4601	
RTD	4640	

DST #1 3972 - 4059

TIMES: 45-45-45-45

BLOW: Medium incr 5" to 6"

REC: 215' GIP, 92' CGO, 124' OCM - 30% oil 55% mud 15% water, 310' SOCW

IFP: 106-263 FFP: 294-346 ISIP: 1345 FSIP: 1051

DST #2 4067 - 4085

TIMES: 45-45-45-45

BLOW: 5 1/2" on first open; 3" on 2nd open

REC: 541' Slightly Oil Cut Mud

Mis-run packer leaking

DST #3 4120 - 4195

TIMES: 45-45-30-45

BLOW: weak blow thru-out

REC: 62' oil cut mud 8% oil

IFP: 37-27 FFP: 63-37 ISIP: 743 FSIP: 628

**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"		334'	60/40 POZ	225	2% Gel, 3% CC
Production	7-7/8"	4 1/2"	10.5	4639'	50/50 POZ	250	18% Salt Sat 3/4 CFR2, 20 bbl salt flush

**PERFORATION RECORD**

shots per foot specify footage of each interval perforated

**Acid, Fracture, Shot, Cement Squeeze Record**

(amount and kind of material used)

Depth

2spf	4453-4457	1000 gal NE 15% acid	4453-57
2spf	4237-4241	1000 gal NE 15% acid	4237-41
2spf	4207-4211	1000 gal NE 15% acid	4207-11

**TUBING RECORD**

size 2" upset at 4638 packer at

Liner Run  Yes  No

Date of First Production

Producing method

flowing  pumping  gas lift  Other (explain)

Estimated Production Per 24 Hours

25

Oil

Gas

Water

Gas-Oil Ratio

Gravity

Bbls

MCF

Bbls

CFPB

**METHOD OF COMPLETION**

Disposition of gas:  vented

sold

used on lease

open hole  perforation

other (specify)

Dually Completed.

Commingled

**PRODUCTION INTERVAL**

Kansas City

Operator Name L D Drilling, Inc. Lease Name BRUNCARDT Well# 1 SEC 13 TWP. 11 RGE. 32  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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name Top Bottom

DST #4 4190 - 4250

TIMES: 45-45-45-45

BLOW: Strong

REC: 1364' GIP, 712' fluid, 588' clean Gassy oil, 124' OCM - 40% oil, 60% mud

IFP: 64-166 FFP: 231-259 ISIP: 1217 FSIP: 1174

DST #5 4420 - 4500

TIMES: 45-45-45-45

BLOW: 1st-strong blow off bottom decr to 1" on 2nd

REC: 120' GIP, 554' fluid, 10' Clean Gassy Oil, 110' O&GCMW; 434' Muddy Water

IFP: 55-156 FRP: 231-240 ISIP: 457 FSIP: 447

DST #6 4513 - 4571

TIMES: 15-30-15-30

BLOW: 1/2" in bucket, Weak blow thru-out

REC: 15' OCM, 11% Oil, 2% Water 87% Mud

IFP: 55-27 FFP: 55-27 ISIP: 619 FSIP: 811

RECEIVED  
 STATE CORPORATION COMMISSION

DEC 19 1981

CONSERVATION DIVISION  
 Wichita, Kansas