

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 # 3180  
Name Deutsch Oil Company  
Address 107 N. Market- Suite 1115  
City/State/Zip Wichita, KS, 67202

Purchaser Clear Creek

Operator Contact Person Kent Deutsch  
Phone 316-267-7551

Contractor: License # 5929  
Name Duke Drilling Co., Inc.

Wellsite Geologist  
Phone

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

Spud Date 1-03-89 Date Reached TD 01-09-89 Completion Date 1-27-89

Total Depth 3440' PBD

Amount of Surface Pipe Set and Cemented at 401 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  
Cement Company Name  
Invoice #

API NO. 15-.....009-24,353-0000  
County.....Barton  
E./2. SE. SW..... Sec. 8 Twp. 16 Rge. 13 East  West

660 Ft North from Southeast Corner of Section  
2970 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

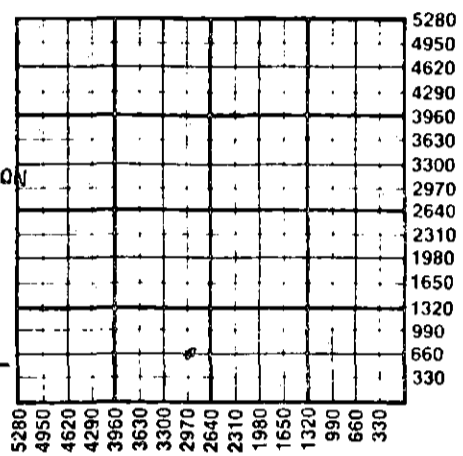
Lease Name.....Bitter "C" Well #.....148

Field Name.....Trapp

Producing Formation.....Arbuckle

Elevation: Ground.....1940 KB.....1945

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION  
02-16-89  
10 1989  
CONSERVATION DIVISION  
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # .....  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #.....  
 Groundwater.....Ft North from Southeast Corner (Well) .....Ft West from Southeast Corner of Sec Twp Rge East West  
 Surface Water.....660 Ft North from Southeast Corner (Stream, pond etc).....330 Ft West from Southeast Corner Sec 27 Twp 15 Rge 13 East  West   
 Other (explain).....  
(purchased from city, R.W.D. #)

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. Submit OP-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 Kent Deutsch  
Title.....Owner Date 2-14-89

Subscribed and sworn to before me this 14th day of February 1989  
Notary Public Daphne J. Stau  
Date Commission Expires 10-1-89

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)  
2-16-89 (4)

Sec. 8, Twp. 16, Rge. 13 W

15009-24353-0000

Operator Name .....Deutsch.Dil.Company..... Lease Name..Bitter.."G".....Well #..1-8.....

Sec.....8..... Twp...16..... Rge....13.....  East  West County.....Barton.....

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

DST No. 1 Toronto 3065-3114  
15-30-15-30 Rec: 15 ft. oil specked mud  
HP: 1684#-1643# IFP: 50#-52#  
ISIP: 128# FFP: 52#-57# FSIP: 65#  
BHT: 95 F

Name	Top	Bottom
Topeka	2836	-891
Heebner	3070	-1125
Douglas	3103	-1158
Lansing	3150	-1205
Base K.C.	3342	-1397
Arbuckle	3388	-1443

DST No. 2 Kansas City 3271-3305  
15-30-45-60 Rec: 450 ft. Gas in Pipe  
90 ft. gas & oil cut mud  
HP: 1780#-1751# IFP: 60#-62# ISIP: 119#  
FFP: 64#-70# FSIP: 161# BHT: 107 F

DST No. 3 Arbuckle 3358-3389  
15-30-30-60 Rec: 210 ft. Mud & Gas cut Oil  
300 ft. sl. mud cut oil.  
HP: 1834#-1807# IFP: 65#-79#  
ISIP: 1096# FFP: 158#-187# FSIP: 1096#  
BHT: 107 F

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 1/4"	8-5/8"	24#	401'	60/40poz	190	2% gel 3% cc
Production	7-7/8"	5 1/2"	14#	3437'	50/50poz	125	10% salt 2% gel
Tubing		2 7/8"		3430'		25	Lite

PERFORATION RECORD  
Shots Per Foot | Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth

4	3388 1/2' to 3389 1/2'	none	3389.5
---	------------------------	------	--------

TUBING RECORD  
Size 2 7/8" Set At 3430' Packer at Liner Run  Yes  No

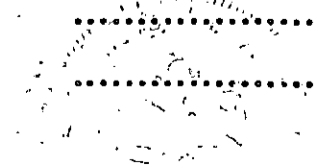
Date of First Production 01-27-89  
Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	30	0	0	0/30	35

METHOD OF COMPLETION | Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  
 Open Hole  Perforation  Other (Specify) .....  
 Dually Completed  Commingled

3388.5-3389.5



15-09-24353-0000

DRILLER'S WELL LOG

DATE COMMENCED: January 3, 1989  
DATE COMPLETED: January 9, 1989

Deutsch Oil Company  
BITTER "C" 1-8  
E/2 SE SW  
Sec. 8, T16S, R13W  
Barton County, Ks.

ELEVATION: 1945 K.B.

0 - 304' Surface Soil, Shale, Sand  
304 - 909' Red Bed, Shale  
909 - 936' Anhydrite  
936 - 2792' Lime & Shale  
2792 - 2814' Lime  
2814 - 2839' Shale & Sand  
2839 - 3069' Lime  
3069 - 3088' Shale & Lime  
3088 - 3100' Lime  
3100 - 3147' Shale  
3147 - 3343' Lime  
3343 - 3382' Shale & Lime  
3382 - 3440' Dolomite  
3440' RTD

Surface Pipe: Set new  
8-5/8", 24# pipe @401'  
w/190 sacks 60/40 pozmix  
2% gel 3% cc.

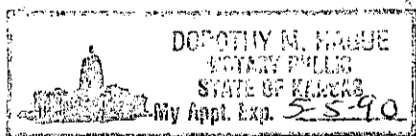
Production Pipe: Set used  
5 1/2", 14# @3437' w/25 sacks  
Lite and 125 sacks 50/50  
pozmix 10% salt & 5# Gilsonite  
w/2%gel.

A F F I D A V I T

STATE OF KANSAS  
COUNTY OF BARTON) ss

Leonard Williamson of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Subscribed and sworn to before me this 12 day of January 1989.



RECEIVED  
STATE CORPORATION COMMISSION  
02-16-89  
1 FEB 16 1989  
*Dorothy M. Haeghe*  
Notary Public

CONSERVATION DIVISION  
Wichita, Kansas