

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

5

API NO. 15-009-24,292-0900

County, Barton

NW..NE..SE Sec 8.... Twp 16...Rge. 13... X East
West

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

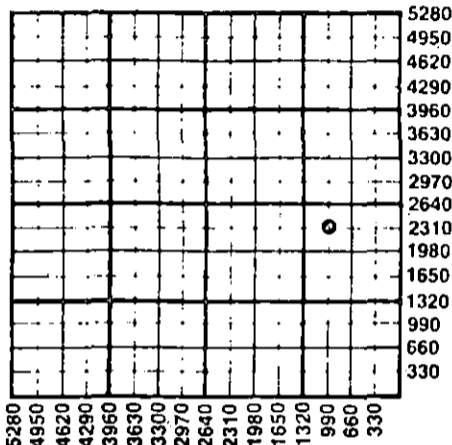
Lease Name..... Harms Well #..... 1-8

Field Name..... Trapp

Producing Formation..... Arbuckle

Elevation: Ground..... 1953 K.B.KB.....

Section Plat



Operator: License # 3180
Name DEUTSCH OIL COMPANY
Address 105 N. Market, Suite 1115
City/State/Zip Wichita, KS 67202

Purchaser..... Inland Purchasing

Operator Contact Person Kent Deutsch
Phone (316) 267-7551

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

Wellsite Geologist..... Kent A. Deutsch
Phone..... 316-267-7551

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp Abd
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

- Mud Rotary Air Rotary Cable

1-4-88 1-10-88 1-23-88
Spud Date Date Reached TD Completion Date

3450
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 387 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 #

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 2700.Ft North from Southeast Corner
(Stream, pond etc) 2700..Ft West from Southeast Corner
Sec 15 Twp 16 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 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.

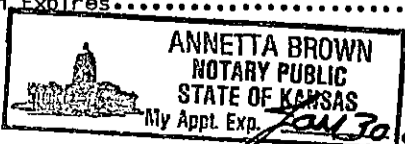
Signature.....

Title..... President, Deutsch Oil Co. Date 2-18-88

State of Kansas, County of Sedgwick
Subscribed and sworn to before me this 18th day of February, 1988.

Notary Public.....

Date Commission Expires.....



CORPORATION COMMISSION

FEB 18 1988
CONSERVATION DIVISION
Wichita, Kansas

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. 8, Twp 16, Rge. 13

Operator Name DEUTSCH OIL COMPANY Lease Name Harms Well # 1-8

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

15-009-24292-0000
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 3161-3230 Lansing/K.C.
 15-30-30-45 Fair Blow
 Rec. 90 Ft. Sl. Oil Cut Mud.
 HP: 1546#-1514# FP: 42#-44# 46#-46#
 BHP: 247#-267# BHT: 104 F

Name	Top	Bottom
Topeka		2840
Heebner Sh.		3075
Lansing		3157
Base K.C.		3352
Arbuckle		3400
T.D.		3449

DST No. 2 3280-3310 Kansas City
 15-30-45-60 Good Blow
 Rec. 240 Ft. Gas In Pipe, 60 Ft. Gsy Oil Cut Mud
 w/ Free Oil in Tool
 HP: 1714#-1682# FP: 50#-50#, 52#-52#
 BHP: 244#-646# BHT: 105 F

DST No. 3 3346-3402 Arbuckle
 30-45-30-60 Weak Blow
 Rec. 40 Ft. Oil Specked Mud w/ Gd. Show Oil in Tool
 HP: 1774#-1751# FP: 61#-64# 68#-68#
 BHP: 415#-784# BHT: 105 F

DST No. 4 3400-3406 Arbuckle
 15-30-15-30 Strong Blow FP: 113#-194# 271#-322#
 Rec. 950 Ft. Gassy Oil BHP: 933#-860#
 HP: 1784#-1756# BHT: 108 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 1/2"	8-5/8"	20#	387'	60/40 RQZ	170	2% gel, 3% C.C.
Production		4 1/2"	10.5#	3447'	50/50 poz. Lite	125	10% salt, 5# gilsonite
						25	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4 shots/Ft.	3402 to 3406	No Treatment	

TUBING RECORD

Size 2 3/8" Set At 3412 Ft. Packer at _____ Liner Run Yes No

Date of First Production 1-28-88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	25	None	None		34

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Sold Other (Specify) 3402-3406
 Used on Lease Dually Completed Coningled

15009-24292-0000

DRILLER'S WELL LOG

DATE COMMENCED: January 4, 1988
DATE COMPLETED: January 10, 1988

DEUTSCH OIL CO.
Harms #1-8
NW NE SE
Sec. 8-T16S-R13W
Barton County, KS.

ELEVATION: 1953' K.B.

0 - 905'	Surface soil, sand, shale
905 - 934'	Anhydrite
934 - 2768'	Redbed, shale
2768 - 2820'	Lime
2820 - 2840'	Shale
2840 - 3075'	Lime
3075 - 3080'	Shale
3080 - 3094'	Lime, Shale
3094 - 3108'	Lime
3108 - 3157'	Shale
3157 - 3352'	Lime
3352 - 3400'	Shale, Lime
3400 - 3450'	Dolomite
3450'	RTD

FORMATION DATA:

Anhydrite	905-934
Howard	2768
Severy	2820
Topeka	2840
Heebner	3075
Toronto	3094
Douglas	3108
Kansas City	3157
Base K.C.	3352
Arbuckle	3400
RTD	3450

Surface Pipe: Set new
8-5/8", 20# @ 387' with
170 sacks 60/40 pozmix,
2% gel, 3% c.c.

Production Pipe: Set
used 4 1/2", 10 1/2# @ 3447' with
25 sacks Lite & 125 sacks
50/50 pozmix, 10% salt
and 5# gilsonite

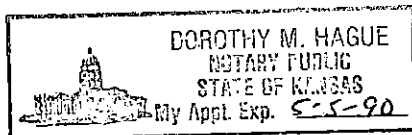
A F F I D A V I T

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.

Leonard Williamson
Leonard Williamson

SUBSCRIBED AND SWORN to before me this 14 day of January, 1988.



STATE CORPORATION COMMISSION
FEB 1-8 1988
CONSERVATION DIVISION
WICHITA, KANSAS

Dorothy M. Hague
Notary Public