

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 # 30060/3180
Name Veteran Expl. Corp./Deutsch Oil
Address 107 N. Market
Suite 1115
City/State/Zip Wichita, KS 67202

Purchaser Texaco Trading & Transportation
Denver, Colorado

Operator Contact Person Kent A. 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. Wichita, Kansas
☐ 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

5-27-89 6-02-89 6-16-89
Spud Date Date Reached TD Completion Date

3300' 3220'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 469 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 #

DIT

API NO. 15-167-22,851

County Russell

NE SW SW Sec. 17 Twp. 15 Rge. 13 East
West

990 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

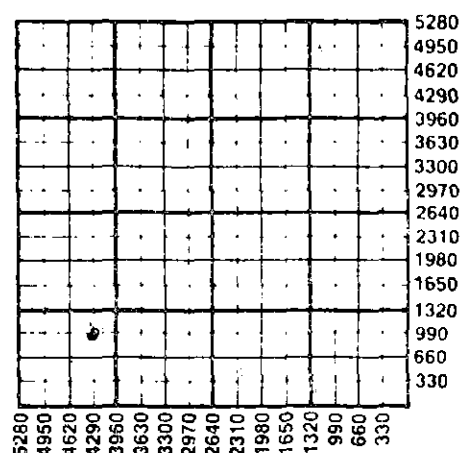
Lease Name Letsch Well # 1-17

Field Name Trapp

Producing Formation Lansing-Kansas City

Elevation: Ground 1778 KB 1786.5

Section Plat



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

x Surface Water 1320 Ft North from Southeast Corner
(Stream, pond etc) 4950 Ft West from Southeast Corner
Sec 21 Twp 15 Rge 13 East x 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 Kent A. Deutsch

Kent A. Deutsch, DEUTSCH OIL COMPANY

Title Owner Date 7-25-89

Subscribed and sworn to before me this 25th day of July, 1989

Notary Public

10-1-89

Date Commission Expires

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)

SIDE TWO

Operator Name Veteran Explor/Deutsch Oil Lease Name Letsch Well # 1-17Sec. 17 Twp. 15 Rge. 13 ☐ East ☒ West County Russell

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

LOG TOPS:

Tarkio Lime	2461	(-675)
Howard	2600	(-814)
Topeka	2668	(-882)
Plattsmouth	2846	(-1060)
Heebner Shale	2902	(-1116)
Toronto	2918	(-1132)
Douglas Shale	2932	(-1146)
Lansing	2968	(-1182)
Base Kansas City	3180	(-1394)
Arbuckle	3230	(-1444)
Log Total Depth	3298	

Name	Top	Bottom
Surface	0	71
Sand & Shale	71	1590
Shale & Lime	1590	2400
Tarkio Sand	2400	2535
Lime & Shale	2535	2868
Topeka	2868	2905
Lime & Shale	2905	3015
Lansing	3015	3240
Arbuckle	3240	3300
Rotary Total Depth	3300	

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"....	.....23#...	...468.84...	60/40noz	..240..	2% gel. 3% cc.
..Production...	...7-7/8"....	...5 1/2"....	.....14#...	...3291...	Lite.....	...25...	.....
.....	.....	.....	.....	.....	50/50noz	..125..	10% salt. 2% gel

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/ft	3229-3232	250 gals 10% mud acid	
2/ft	3064-3072	500 gals 15% mud acid	
2/ft	3001-3004	500 gals 15% mud acid	
2/ft	2986-2990	1000 gals 15% mud acid	

TUBING RECORD	Size 2-7/8	Set At 3161	Packer at 3220	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production	Producing Method
7-7-89	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	20		100		38°
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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

3064-2990.....

Deutsch Oil Company

1115 Bitting Building
107 N. Market St.
Wichita, KS 67202
(316) 267-7551

ORIGINAL

DRILLING REPORT

Letsch No. 1-17

NE-SW-SW

Section 17-T15S-R13W

Russell County, Kansas

API# 15-167-22,851

05-17-89 File Intent To Drill with Kansas Corporation Commission.

05-25-89 Stake well. Ground Level Elevation: 1778 Ft.
Kelly Bushing (KB) Elev: 1786.5 Ft.

05-26-89 Level location and dig pits. Move in Duke Drilling Rig #4.

05-27-89 Spud well at 2:45 a.m. Drilled to 469 ft. Ran 11 Jts. of
New 8 5/8" 23# Surface Casing. Set at 468.84 ft. with
240 sacks 60/40 POZ, 3% CC, 2% Gel. Plug down at 3:15 p.m.

05-28-89 Drilling ahead at 969 ft. at 7:00 a.m.

05-29-89 Drilling ahead at 2110 ft. at 7:00 a.m.
Sample Tops: Neva 2060 -273

05-30-89 Drilling Ahead at 2540 ft. at 7:00 a.m.
Sample Tops: 1st Tarkio Sand 2360 -573
Stotler 2402 -615
Tarkio L.S. 2465 -679

DST No. 1 1st Tarkio Sand 2336-2400

20-30-20-30 Strong Blow (slid tool 10 ft. to bottom)

Rec: 420 ft. Thin Mud

360 ft. Slightly Gassy Muddy Water (chlorides 54,000)

HP: 1210#-1194#

IFP: 382#-443#

ISIP: 871#

FFP: 445#-456#

FSIP: 752#

BHT: 100 F

05-31-89 Drilling ahead at 2914 ft. at 7:00 a.m.

Sample Tops: Howard 2605 - 818
Topeka 2672 - 886
Plattsmouth 2846 -1060
Heebner Shale 2906 -1120
Toronto 2922 -1136

DST No. 2 Plattsmouth 2836-2868

15-30-15-30 Fair Blow decreasing to No-Blow

Rec: 150 ft. Mud with Oil-Specks in Tool

HP: 1417#-1399#

IFP: 82#-85#

ISIP: 839#

FFP: 90#-92#

FSIP: 700#

BHT: 102 F

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CONSERVATION DIVISION
Wichita, Kansas

06-01-89 3015 ft. at 7:00 a.m. going back in with drill bit after
DST No. ~~3~~

Sample Tops:	Douglas Shale	2937	-1151
	Lansing	2973	-1187

~~DST No. 3~~ Lansing 2974-3015

~~30-60-30-60 strong Blow~~

~~Rec.: 20-ft. Muddy Oil~~

~~120-ft. Heavy Oil Cut Gassy Mud~~

~~120-ft. Oil & Water Cut Gassy Mud (chlorides 30,000)~~

~~HP: 1496#-1478#~~

~~TEP: 48#-58#~~

~~TSIP: 996#~~

~~EEP: 99#-119#~~

~~FSIP: 977#~~

~~BHT: 104 F~~

06-02-89 3300 ft. at 7:00 a.m. and tripping out of hole to log well.

Sample Tops:	Base K.C.	3183	-1397
	Arbuckle	3234	-1448
	RTD	3300	

E-Log Tops:

Tarkio LS.:	2461	- 679
Howard	2600	- 814
Topeka	2668	- 882
Plattsmouth	2846	-1060
Heebner Shale	2902	-1116
Toronto	2918	-1132
Douglas Shale	2932	-1146
Lansing	2968	-1182
Base K.C.	3180	-1394
Arbuckle	3230	-1444
LTD.	3298	

Set 5 1/2" 14# production casing at 3291 ft. with 25 sx. Lite,
125 sx. 50/50 POZ, 3% Gel, 10% Salt, 5# Gilsonite. Plug down
at 7:15 p.m.

End Of Drilling Report

Completion Unit will move on location 06-12-89

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Wichita, Kansas