

ORIGINAL

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

API NO. 15- 135-239780000

County Ness

NE-NE-NW Sec. 5 Twp. 20 Rge. 23 E
W

330 Feet from SW (circle one) Line of Section

2310 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Antenen Well # 1-5

Field Name Franklin Ext.

Producing Formation Cherokee

Elevation: Ground 2297' KB 2302'

Total Depth 4475' PBDT _____

Amount of Surface Pipe Set and Cemented at 267' Feet

Multiple Stage Cementing Collar Used? X Yes _____ No

If yes, show depth set 1547' Feet

If Alternate II completion, cement circulated from 1547'

feet depth to surface w/ 238 sx cmt.

Drilling Fluid Management Plan AH 2 3-17-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 40000 ppm Fluid volume _____ bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 3180

Name: Deutsch Oil Company

Address 107 N. Market, Su. 1115

City/State/Zip Wichita, Ks 67202

Purchaser: Texaco

Operator Contact Person: Kent Deutsch

Phone (316) 267-7551

Contractor: Name: Mallard JV Inc.

License: 4958

Wellsite Geologist: Kent Deutsch

Designate Type of Completion

X New Well _____ Re-Entry _____ Workover

X Oil _____ SWD _____ SIOW _____ Temp. Abd.

_____ Gas _____ ENHR _____ SIGW

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBDT

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

01-18-97 01-27-97 03-08-97
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Owner Date 4/11/97

Subscribed and sworn to before me this 11th day of APRIL, 19 97.

Notary Public [Signature] RECEIVED

Date Commission Expires 10-1-97

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C X Wireline Log Received
C X Geologist Report Received
Distribution
X KCC _____ SWD/Rep _____ NGPA
KGS _____ Plug _____ Other (Specify)

SEP 09 1997

Form ACO-1 (7-91)

SIDE TWO

Operator Name Deutsch Oil Company Lease Name Antenen Well # 1-5
 Sec. 5 Twp. 20 Rge. 23 East County Ness
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3726	-1424
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3776	-1474
List All E.Logs Run:	Dual Induction	Pawnee	4208	-1906
	Comp. Neutron/Density	Ft. Scott	4288	-1986
		Cherokee Sh	4314	-2012
		Cherokee Sd	4368	-2066
		Mississippi	4434	-2132

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	10 3/4	8 5/8	20	267	60/40 poz	150	2% gel 3% cc
production	7 7/8	5 1/2	15	4472	ASC	140	1% gel 5# kolsea.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	surface/ 1547	65/35 poz	238	6% gel, .25# flowseal

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4391-4395		
4	4375-4383		

TUBING RECORD Size 2 7/8" Set At 4397 Packer At none Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 03-09-97 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 15 Bbls. Gas 0 Mcf Water 40 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled 4375-4395 Production Interval

ORIGINAL

ALLIED CEMENTING CO., INC.

4706

PO. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

St. Bernard

<u>4-11-97</u>	SEC. <u>5</u>	TWP. <u>20</u>	RANGE <u>23</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>1:15 PM</u>	JOB START <u>3:45 PM</u>	JOB FINISH <u>5:30 PM</u>
<u>ASE Ant. 2027</u>		WELL # <u>1-5</u>		LOCATION <u>Near city - 75, 1/2 E, S/5.2</u>		COUNTY <u>Ness</u>	STATE <u>Ks</u>

JLD OR NEW (Circle one)

CONTRACTOR <u>DS + W</u>
TYPE OF JOB <u>Port collar</u>
HOLE SIZE _____ T.D. <u>4475'</u>
CASING SIZE <u>5 1/2"</u> DEPTH <u>4473'</u>
TUBING SIZE <u>2 1/2"</u> DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL <u>Port collar</u> DEPTH <u>1547'</u>
PRES. MAX <u>900#</u> MINIMUM _____
MEAS. LINE <u>Bridge Plug at SHOE JOINT 1745'</u>
CEMENT LEFT IN CSG. _____
PERFS. _____

OWNER <u>Same</u>
CEMENT (ALW)
AMOUNT ORDERED <u>325 lbs 65 (ALW)</u>
<u>1/4" #4 lined / sh (4 hole steel)</u>
<u>(used 238 lbs cement)</u>
COMMON <u>238 ALW @ 5.65</u> <u>1344.70</u>
POZMIX _____ @ _____
GEL <u>4 @ 9.50</u> <u>38.00</u>
CHLORIDE _____ @ _____
<u>F10 Seal 100# @ 1.15</u> <u>69.00</u>
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING <u>325 @ 1.05</u> <u>341.25</u>
MILEAGE <u>7</u> <u>91.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Bud B - Term D</u>
<u>181</u> HELPER <u>Bob B.</u>
BULK TRUCK _____
<u>344</u> DRIVER <u>George B.</u>
BULK TRUCK _____
_____ DRIVER _____

TOTAL \$ 1883.95

REMARKS:

Set Bridge Plug at 1745'. Found Port collar at 1547'. Landed hole with 42 blbls. Missed 4 hole steel with 9 blbls water to land tubing. Opened port collar. Closed port collar & prepared to 950#. Ran tubing & worked tubing & casing clean.

SERVICE

DEPTH OF JOB <u>1547'</u>
PUMP TRUCK CHARGE _____ <u>550.00</u>
EXTRA FOOTAGE _____ @ _____
MILEAGE <u>7 @ 2.85</u> <u>19.95</u>
PLUG _____ @ _____
_____ @ _____
_____ @ _____

TOTAL \$ 569.95

CHARGE TO: Deutch Oil Co.
 STREET 1115 Biting Bldg 107 N. Main
 CITY Wichita STATE Ks ZIP 67202

FLOAT EQUIPMENT

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____

TOTAL _____

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 09 1997

CONSERVATION DIVISION
WICHITA, KS

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Frederick B. Besh

TAX <u>0</u>
TOTAL CHARGE \$ <u>2453.90</u>
DISCOUNT \$ <u>368.09</u> IF PAID IN 30 DAYS

Net \$ 2085.81

Witnessed By - Boys m. mmm

ALLIED CEMENTING CO., INC. 4741

P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Near City

DATE <u>1-18-97</u>	SEC. <u>5</u>	TWP. <u>20s</u>	RANGE <u>23w</u>	CALLED OUT <u>7:00pm</u>	ON LOCATION <u>9:45pm</u>	JOB START <u>2:20AM</u>	JOB FINISH <u>3:00AM</u>
LEASE <u>Antemen</u>	WELL# <u>1-5</u>	LOCATION <u>Near City 7s 1/2E S.S.</u>			COUNTY <u>Near</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Mallard Dry

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 268

CASING SIZE 8 5/8 DEPTH 267

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15

PERFS. _____

OWNER Deutsch Oil Co

CEMENT

AMOUNT ORDERED 150 6 3/4 3/0cc
2 1/2 stel

COMMON	<u>90</u>	@	<u>6.10</u>	<u>549.00</u>
POZMIX	<u>60</u>	@	<u>3.15</u>	<u>189.00</u>
GEL	<u>5</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u>	@	<u>28.00</u>	<u>140.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>150</u>	@	<u>1.05</u>	<u>157.50</u>
MILEAGE	<u>7 miles</u>	Min		<u>80.00</u>
TOTAL				<u>\$ 1144.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER J. Weighous

224 HELPER B. Norton

BULK TRUCK

69 DRIVER O. Walls

BULK TRUCK

_____ DRIVER _____

REMARKS:

SERVICE

mixed 150 sx 6 3/4 3/0cc 2 1/2 stel

Displaced cem dual circ

Thanks

DEPTH OF JOB 267'

PUMP TRUCK CHARGE 445.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 7 miles @ 2.85 199.5

PLUG Top wooden @ 45.00 45.00

_____ @ _____

_____ @ _____

TOTAL \$ 509.95

CHARGE TO: Deutsch Oil Co

STREET 1115 Bitting Bldg 107 N Market

CITY Wichita STATE KS ZIP 67202

FLOAT EQUIPMENT

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 09 1997

CONSERVATION DIVISION
WICHITA, KS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Mark D. Elan

TAX - 0 -

TOTAL CHARGE \$ 1653.95

DISCOUNT \$ 248.09 IF PAID IN 30 DAYS

Net \$ 1405.86

ALLIED CEMENTING CO., INC.

4746

ORIGINAL

SERVICE POINT:

Nassau City

DATE 1-27-91

3w

CALLED OUT

7:00am

ON LOCATION

2:30pm

JOB START

4:30pm

JOB FINISH

1:30pm

LEASE Antenna

WELL #

1-5

LOCATION

Nassau City 7 1/2 e s.s.

COUNTY

Nassau

STATE

KS

OLD OR NEW (Circle one)

CONTRACTOR

Mallard Ory

OWNER

Deutsch Oil Co.

TYPE OF JOB

Production

CEMENT

HOLE SIZE

7 7/8

T.D.

4475

CASING SIZE

5 1/2

DEPTH

4473

AMOUNT ORDERED

165 ASC #5 Kol Seal sx

TUBING SIZE

DEPTH

DRILL PIPE

DEPTH

TOOL

DEPTH

PRES. MAX

700

MINIMUM

MEAS. LINE

SHOE JOINT 2405

COMMON

165 ASC @ 7.85 1295.25

POZMIX

@

GEL

@

CHLORIDE

@

Kol Seal, 825 # @ .38 313.50

CEMENT LEFT IN CSG.

PERFS.

EQUIPMENT

Tim O.

PUMP TRUCK

CEMENTER

J. Weighaus

224

HELPER

B. Norton

BULK TRUCK

116

DRIVER

D. Walla

BULK TRUCK

#

DRIVER

HANDLING

165 @ 1.05 173.25

MILEAGE

7 miles Min 80.00

TOTAL \$ 1862.00

REMARKS:

Port Collar 1518' KB.

15 sx RN. 10sx MH.

500 gal. flush.

140sx ASC

Replaced 110 BBL Float. Held

Thanks

SERVICE

DEPTH OF JOB

4473'

PUMP TRUCK CHARGE

1090.00

EXTRA FOOTAGE

@

MILEAGE

7 miles @ 2.85 19.95

PLUG

Rubber, 5 1/2 @ 50.00 50.00

@

@

TOTAL \$ 1159.95

CHARGE TO: Deutsch Oil Co.

STREET 1115 Bitting Bldg. 107 N. Market

FLOAT EQUIPMENT

CITY Wichita STATE KS ZIP 67202

1 5 1/2 Auger Shank @ 168.00 168.00

1 insert @ 263.00 263.00

1 Basket @ 142.00 142.00

6 Cement Lines @ 56.00 336.00

1 Port Collar @ 2340.00 2340.00

TOTAL \$ 3249.00

RECEIVED
KANSAS CORPORATION COMMISSION

SEP 09 1997

CONSERVATION DIVISION
WICHITA, KS

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE

Casey Coats

TAX

- 0 -

TOTAL CHARGE \$ 6270.95

DISCOUNT \$ 940.64 IF PAID IN 30 DAYS

Net \$ 5330.31