

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

Operator: License # 3180
Name: Deutsch Oil Company
Address: 107 North Market - Suite 1115
Wichita, KS 67202
City/State/Zip
Purchaser: Peoples Natural Gas Co.
Operator Contact Person: Kent Deutsch
Phone (316) 267-7551
Contractor: Name: Duke Drilling Co., Inc.
License: 5929 **KCC**
Wellsite Geologist: Kent Deutsch
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD S1OW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTD
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) Docket No. _____
10-20-93 10-25-93 01-12-94
Spud Date Date Reached TD Completion Date

API No. 15- 155-21,299 - 0000
County Reno
N & 5'W of _____ E
C - NE - SW - _____ Sec. 18 Twp. 24 Rge. 10 X W
1985 Feet from (S)M (circle one) Line of Section
3305 Feet from (E)W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Cushing Well # 1-18
Field Name Zenith Peace Creek
Producing Formation Mississippi
Elevation: Ground 1785 KB 1793
Total Depth 3890 PBTD _____
Amount of Surface Pipe Set and Cemented at 214 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan 4-20-94CB
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Deswating method used _____
Location of fluid disposal if hauled offsite: _____
RECEIVED
KANSAS CORPORATION COMMISSION
RELEASED
Operator Name 2-18-94
FEB 18 1994
Lease MAY 24 1995 License No. _____
Quarter _____ Sec. _____ Twp. _____
FROM CONFIDENTIAL CONSERVATION DIVISION
WICHITA, KS
Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 Kent Deutsch
Title Sole Owner Date 2-15-94
Subscribed and sworn to before me this 15th day of February
Notary Public Daphne J. Starr
Date Commission Expires 10-1-97

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

P1

SIDE TWO

Operator Name Deutsch Oil Company Lease Name Cushing Well # 1-18
 Sec. 18 Twp. 24 Rgs. 10 East County Reno
 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <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 Sh | 3198 | -1405 |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Brown Lime | 3356 | -1563 |
| List All E.Logs Run: | | Lansing | 3380 | -1587 |
| Comp. Neutron/Density | | Base K.C. | 3679 | -1886 |
| Dual Induction | | Mississippi | 3722 | -1929 |
| Frac Finder | | Kinderhook Sh | 3782 | -1989 |
| Coral | | | | |

| CASING RECORD <input checked="" 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 | 12 1/4" | 8-5/8" | 20# | 214' | 60/40 poz | 175 | 2% gel 3% cc. |
| Production | 7-7/8" | 4 1/2" | 10.5# | 3882' | 60/40 poz | 150 | 2% gel |

| 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 | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plug Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|--|-------|
| 1 | 3724-3738, 3740, 3742, 3744, 3746, 3748, 3750, 3752, 3754, | 2000 gals. 7 1/2% MCA | |
| | 3756. | 29000# 20/40 sd., | |
| | | 171000# 12/20 sd., with | |
| | | 114500 gals. 40# crosslinked gelled | |

TUBING RECORD Size 2 3/8" Set At 3758 Packer At _____
 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 01-12-94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 0 Bbls. Gas 1000 Mcf Water 20 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACD-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval 3724-3756

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 3741

Home Office P. O. Box 31

Russell, Kansas 67665

new

| | | | | | | | | | | | | | | | |
|-------|----------|----------|------|----------|-------------------|--------|-------|------------|----|-------------|----------|-----------|----------|--------|---------|
| Date | 10-20-93 | Sec. | 18 | Fwp. | 24 | Range | 10 | Called Out | | On Location | 4:30 PM. | Job Start | 4:45 PM. | Finish | 5:15 PM |
| Lease | Cushing | Well No. | 1-18 | Location | Zenith 1E 4N, E15 | County | Renov | State | KS | | | | | | |

| | | |
|---------------------|--------------|-----------------|
| Contractor | Disko Rig #2 | ORIGINAL |
| Type Job | Surface | |
| Hole Size | 12 1/4" | |
| Csg. | 8 5/8" | |
| Tbg. Size | | |
| Drill Pipe | | |
| Tool | | |
| Cement Left in Csg. | 15' | |
| Press Max. | | |
| Meas Line | | |
| Perf. | | |

EQUIPMENT

| | | | |
|---------|-----|----------|-------|
| # | No. | Cementer | Jim |
| Pumptrk | 181 | Helper | Bob W |
| # | No. | Cementer | |
| Pumptrk | | Helper | |
| # | | Driver | Bob B |
| Bulktrk | 222 | Driver | |

DEPTH of Job

| | | |
|------------|--------------------|--|
| Reference: | Amtrak Charge | |
| | Pumptrk Mileage | |
| 1 | 8 5/8" window Plug | |
| | Sub Total | |
| | Tax | |
| | Total | |

Remarks: Cement did circulate.

[Signature]

Owner Same
 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 listed.

Charge To: Deutsch Oil Co.
 Street: 107 N. Market Suite 1115
 City: Wichita State: KS 67202
 The above was done to satisfaction and supervision of owner agent or contractor. 2167-7551

Purchase Order No. X *[Signature]*

CEMENT

Amount Ordered: 175 SLB 60/40 370cc, 29 Gel.

Consisting of:
 Common
 Poz. Mix: **KCC**
 Gel.
 Chloride: **FEB 1 8**
 Quickset

CONFIDENTIAL

Handling
 Mileage
RELEASED
MAY 24 1995
 Sub Total
 Total

Floating Equipment
FROM CONFIDENTIAL

RECEIVED
 KANSAS CORPORATION COMMISSION

FEB 18 1994

CONSERVATION DIVISION
 WICHITA, KS