

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator License # 8729
Name: Hertel Oil Company
Address: 704 E. 12th. St.
City/State/Zip: Hays, Kansas 67601
Purchaser: _____
Operator Contact Person: Mike Hertel
Phone: (785) 628-2445
Contractor Name: Vonfeldt Drilling, Inc.
License: 9431
Wellsite Geologist: Kevin Davis

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>4-14-2005</u>	<u>4-20-2005</u>	<u>4-20-2005</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25404-00-00
County: Ellis
30E S/2 S/2 SE Sec. 16 Twp. 14 S. R. 17 East West
330 feet from N (circle one) Line of Section
1290 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Sander Well #: 1
Field Name: Heylse

Producing Formation: _____
Elevation: Ground: 1981 Kelly Bushing: 1986
Total Depth: 3610 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 223 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 A11 NCR 8-5-08
(Data must be collected from the Reserve Pit)
Chloride content 56000 ppm Fluid volume 400 bbls
Dewatering method used Allow to dry and backfill

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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 of 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: CO-owner Date: _____
Subscribed and sworn to before me this 31st day of MAY
2005
Notary Public: Arlene M. Brungardt
Date Commission Expires: 3-20-2009

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

**ARLENE M. BRUNGARDT
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-20-2009**

Operator Name: Hertel Oil Company Lease Name: Sander Well #: 1
 Sec. 16 Twp. 14 S. R. 17 East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 (see enclosed sheet)

CASING RECORD <input checked="" type="checkbox"/> New <input 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 pipe	12 1/4"	8 5/8	23#	223'	common	150	3%ge1/2%cc

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. Producing Method Flowing Pumping Gas Lift Other (Explain)

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

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

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHY	1162	1156	+830	
B/ANHY	1196	1195	+791	
TOPEKA	2966	2964	-978	
HEBNER	3217	3214	-1228	
LANSING	3262	3260	-1274	
B/KC	3490	3488	-1502	
ARBuckle	3514	3512	-1526	
TD	3610	3610		

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REFERENCE WELL for structure _____

ALLIED CEMENTING CO., INC.

16241

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: R

DATE <u>4-14-05</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:15 PM</u>
LEASE <u>Sandoz</u>	WELL# <u>1</u>	LOCATION <u>Toulon E 25 1/2 W</u>			COUNTY <u>Ellis</u>	STATE <u>K</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Worland Dily

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 22'

CASING SIZE 8" DEPTH 223

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 10-15

PERFS. _____

DISPLACEMENT 20# 14 BRL

EQUIPMENT

345 _____ Dave

PUMP TRUCK CEMENTER _____ Steve

_____ HELPER _____

BULK TRUCK _____

_____ DRIVER _____

BULK TRUCK _____

282 DRIVER Gary

REMARKS:

CHARGE TO: Hertel Oil Co

STREET _____

CITY _____ STATE _____ ZIP _____

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 Doug Budig

OWNER _____

CEMENT AMOUNT ORDERED 150 COM 3Y 2

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

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KGC WICHITA

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

SERVICE _____

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

8" 1/2 _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Doug Budig

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 18649

Federal Tax I.D. #

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: R

DATE <u>4/19/05</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>9:00 a.m.</u>	JOB START	JOB FINISH <u>12:00 p.m.</u>
LEASE <u>SANDER</u>		WELL# <u>1</u>		LOCATION <u>TOWSON 16 23 44</u>		COUNTY <u>ELIAS</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)							

CONTRACTOR VENFELDT

TYPE OF JOB Plug

HOLE SIZE 7 7/8 T.D. 31010

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 225-100/40 (100) 1/4 # F10

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Paul

3102 HELPER GLENN

BULK TRUCK

3102 DRIVER KEITH

BULK TRUCK

_____ DRIVER _____

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HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

255x AOB

255x 1,200

1025x 625

4025x 275

1025x 40

153x RH

103x MH

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

CHARGE TO: HERTEL OIL

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

8 5/8 Wood Plug @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Doug Budig PRINTED NAME Doug Budig