

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 8729
 Name: Hertel Oil Co.
 Address: 704 East 12th
 City/State/Zip: Hays, KS 67601
 Purchaser: _____
 Operator Contact Person: Al Hertel
 Phone: (785) 628-2445
 Contractor: Name: Murfin Drilling Co.
 License: 30606
 Wellsite Geologist: Randall Kilian
 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. _____
 Spud Date or _____ Date Reached TD _____ Completion Date or
 Recompletion Date _____ Recompletion Date _____

API No. 15 - 051-250170000
 County: Ellis
W $\frac{1}{2}$ - W $\frac{1}{2}$ W $\frac{1}{2}$ - SW Sec. 23 Twp. 14 S. R17 East West
1250 feet from S N (circle one) Line of Section
120 feet from E W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Dinkel-Steffen Unit Well #: 1 (one)
 Field Name: Wildcat
 Producing Formation: _____
 Elevation: Ground: 1966 Kelly Bushing: 1971
 Total Depth: 3555 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 219 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.

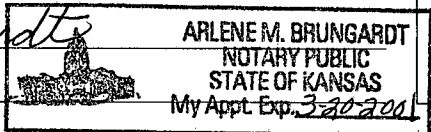
Drilling Fluid Management Plan P+A KJR 8/10/07
 (Data must be collected from the Reserve Pit)
 Chloride content _____ ppm Fluid volume _____ bbls
 Dewatering method used no water to remove
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

plugged 1-1-2000

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: Al Hertel
 Title: Owner/Operator Date: 2-2-2000
 Subscribed and sworn to before me this 2nd day of February
2000
 Notary Public: Arlene M. Brungardt
 Date Commission Expires: 3-20-2001



KCC Office Use ONLY

_____ Letter of Confidentiality Attached
 If Denied, Yes Date: RECEIVED
 _____ Wireline Log Received _____ KANSAS CORPORATION COMMISSION
 _____ Geologist Report Received _____
 _____ UIC Distribution _____ **FEB 10 2000**
 CONSERVATION DIVISION
 Wichita, Kansas

Operator Name: Hertel Oil Co. Lease Name: Dinkel-Steffen Unit Well #: 1
 Sec. 23 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum <p style="text-align: center; font-size: 1.2em;"><i>see attached sheet</i></p>
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CASING RECORD <input 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	# Sacs Used	Type and Percent Additives
		8 5/8	20	219	60/40 Poz.	140	3%cc/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 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 <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or Enhr.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

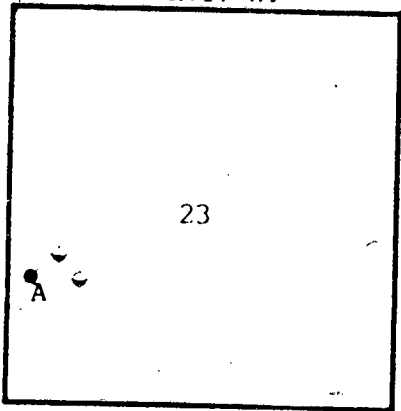
Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Sumit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

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FEB 10 2000

FORMATION TOPS & STRUCTURAL GEOLOGY

R.17 W.



REFERRED TO:

ORIGINAL

- A: HOWER & PARRISH
- S. 1/4 Section #1 S. 1/4 NW SW 23
- B: _____
- C: _____
- D: _____
- E: _____

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E

Ambrosia	1133'	1124'	+ 828	+ 849				
Lea	1170'	1170'	- 801	+ 811				
Lodge	2975'	2975'	-1005	-1004				
Heck. Sh.	3191'	3192'	-1221	-1220				
Toronto	3212'	3212'	-1241	-1240				
Lansing	3240'	3239'	-1268	-1260				
Base Ec.	3170'	3168'	-1427	-1499				
Re-work Arb.	3179'	3181'	-1510	-1511				
Appleby	3487'	3488'	-1517	-1517				
T.D.	3555'	3556'	-1585	-1579				

Pine Bluff	3316'	3.19'	from 1000.					

*Structural position of subject well as compared to referred well.

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OBSERVATION DIVISION
Wichita, Kansas

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	Arb. 3468- 3516'	21# 25# 30"	65# 45"	25# 27# 30"	59# 60"	1857# 1831#	5' Mud
2	Arb. 3515-	29# 35#	91#	37# 37#	85#	1879# 1819#	10' Mud, Oil Spill
3							
4							
5							
6							
7							
8							

5075 0 1 1

← Over

ALLIED CEMENTING CO., INC.

P.O. BOX 91
RUSSELL, KS 67685
PH (785) 489-3887
FAX (785) 489-5888

ORIGINAL
INVOICE

Invoice Number: 090315

Invoice Date: 12/19/99

Sold Hertel Oil Co.
To: 704 E. 12th
Hays, KS
67601-3440

Cust I.D.: Hertel
P.O. Number: DinkelSteffen1
P.O. Date: 12/19/99

Due Date: 01/18/00
Terms: Net 30

set surface pipe

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	84.00	SKS	6.3500	533.40	E
Pozmix	56.00	SKS	3.2500	182.00	E
Gel	2.00	SKS	9.5000	19.00	E
Chloride	5.00	SKS	28.0000	140.00	E
Handling	140.00	SKS	1.0500	147.00	E
Mileage min. chg.	1.00	MILE	100.0000	100.00	E
Surface	1.00	JOB	470.0000	470.00	E
Mileage pmp trk	8.00	MILE	2.8500	22.80	E
Plug	1.00	EACH	45.0000	45.00	E

All Prices Are Net, Payable 30 Days Following
Date of Invoice. 1 1/2% Charged Thereafter.
If Account CURRENT take Discount of \$ 321.84
ONLY if paid within 30 days from Invoice Date

Subtotal: 1659.20
Tax: 0.00
Payments: 0.00
Total: 1659.20

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FEB 10 2000

CONSERVATION DIVISION
Wichita, Kansas

*Paid
12-29-99
Check # 4288*

ALLIED CEMENTING CO., INC. ORIGINAL

Federal Tax I.D. [REDACTED]

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

SERVICE POINT: R

DATE <u>1-1-00</u>	SEC. <u>23</u>	TWP. <u>14</u>	RANGE <u>17</u>	CALLED OUT	ON LOCATION <u>1:15 pm</u>	JOB START <u>8:00 pm</u>	JOB FINISH <u>5:30 pm</u>
LEASE <u>Diakel</u>		WELL # <u>1</u>		LOCATION <u>Toulon 2 E 25</u>		COUNTY <u>Ellis</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Martin D. Ly

TYPE OF JOB S. plug

HOLE SIZE 7 7/8 T.D. 3555

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 215 60 6% gel

1/4 lb Floxseal per sk

COMMON	<u>129</u>	@	<u>635</u>	<u>819.45</u>
POZMIX	<u>86</u>	@	<u>325</u>	<u>279.50</u>
GEL	<u>11</u>	@	<u>950</u>	<u>104.50</u>
CHLORIDE		@		
<u>Floxseal</u>	<u>54 #</u>	@	<u>145</u>	<u>62.70</u>
		@		
		@		
		@		
		@		
HANDLING		@	<u>105</u>	<u>225.75</u>
MILEAGE	<u>42 / SK</u>	@		<u>100.00</u>

EQUIPMENT

PUMP TRUCK # 153 CEMENTER Dave HELPER Paul

BULK TRUCK # _____ DRIVER _____

BULK TRUCK # 160 DRIVER Jason

TOTAL 1591.00

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REMARKS:

FEB 1 0 2000

SERVICE

20 @ 3481

20 @ 1150

100 @ 550

40 @ 270

10 @ 40 wk plug

15 Rod hole

10 mouse hole

DEPTH OF JOB			
CONSERVATION DIVISION			
Wichita PUMP TRUCK CHARGE			<u>470.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>7</u>	@	<u>285</u>
PLUG	<u>18 E Dry Hole</u>	@	<u>23.00</u>
		@	
		@	

TOTAL 512.95

CHARGE TO: Hertel Oil Co

STREET 704 E 12th

CITY Ways STATE Ks ZIP 67601

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

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 Louis McRenna

LOUIS McRenna
PRINTED NAME