

ORIGINAL

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

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) 650-9807
Contractor: Name: Vonfeldt Drilling, Inc.
License: 9431
Wellsite Geologist: Randy Kilian

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Designate Type of Completion:
New Well Re-Entry Workover
Oil SWD SIOW 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.

4-24-2004 5-1-2004 5-1-2004
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 051-25294-0000
County: Ellis
10' E + 105' S
N/2 - N/2 - SE Sec. 19 Twp. 12 S. R. 17 East West
2205 feet from S N (circle one) Line of Section
1310 feet from E W (circle one) Line of Section

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

Lease Name: Karlin Well #: 1
Field Name: Bemis-Schutts

Producing Formation:
Elevation: Ground: 2113' Kelly Bushing: 2118'
Total Depth: 3725 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at 261 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 ALT #2 PFA KGR 6/04/07
(Data must be collected from the Reserve Pit)

Chloride content 50000 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:
Date:
Subscribed and sworn to before me this 24th day of June
2004
Notary Public: Arlene M. Brungardt
Date Commission Expires: 3-20-2005

KCC Office Use ONLY
Letter of Confidentiality Received
If Denied, Yes Date:
Wireline Log Received
Geologist Report Received
UIC Distribution



Operator Name: Hertel Oil Company Lease Name: Karlin Well #: 1
 Sec. 19 Twp. 12 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)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

Included-----see attached sheet

List All E. Logs Run: Copies included

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	12 1/4	8 5/8	20	261	Common	170	2%Ge1&3%CC

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		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd 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 Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

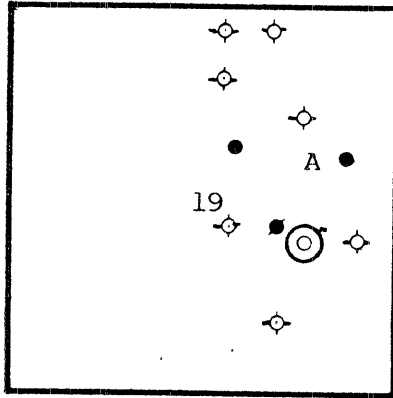
METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

FORMATION TOPS & STRUCTURAL GEOLOGY

R 17 W

T
12
S



REFERRED TO:

- A: JO Farmer, #2 Schmeidler
- Ap. C SE NE 19
- B: _____
- C: _____
- D: _____
- E: _____

STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION					
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	1347'	1346'	+ 772	+ 773				
Base	1385'	1384'	+ 734	+ 735				
Topeka	3109'	3106'	- 988	- 985				
Heebner Sh.	3345'	3344'	-1226	-1223				
Toronto	3366'	3365'	-1247	-1243				
Lansing	3390'	3391'	-1273	-1267				
Base Kc.	3617'	3613'	-1495	-1492				
Arbuckle	3568'	3660'	-1542	-1538				
TD	3725'	3725'	-1607	-1632				

Pipe strap . 75' long.

DRILL STEM TESTS

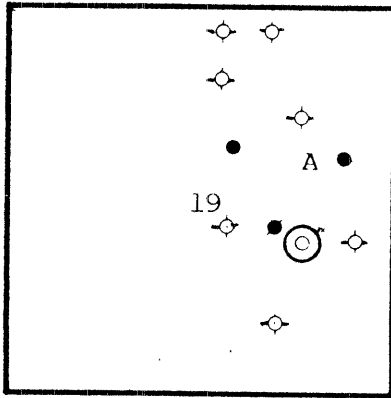
NO	INTERVAL	IFF/TIME	ISIF/TIME	FFF/TIME	FSIF/TIME	IHP/FHP	RECOVERY
1	Arb. 3595- 3668'	34# 36# 30"	877# 45"	41# 50# 60"	822# 90"	1791# 1732#	75' M, Oil
2	Arb. 3666- 3673'	29# 25# 30"	58# 30"	26# 26# 45"	99# 60"	1831# 1756#	2' O, C, Mud
3	Arb. 3673- 3681'	34# 35# 30"	62# 30"	38# 27# 45"	83# 60"	1829# 1731#	2' O, C, Mud
4	Arb. 3677- 3708'	34# 35# 30"	964# 30"	44# 40# 30"	789# 30"	1840# 1746#	30' M, Oil
5							
6							
7							
8							

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2	Arb. 3666- 3673'	29# 25# 30"	58# 30"	26# 26# 45"	99# 60"	1831# 1756#	2' O, C, Mud
3	Arb. 3673- 3681'	34# 35# 30"	62# 30"	38# 27# 45"	83# 60"	1829# 1731#	2' O, C, Mud
4	Arb. 3677- 3708'	34# 35# 30"	964# 30"	44# 40# 30"	789# 30"	1840# 1746#	30' M, Oil
5							
6							
7							
8							

ALLIED CEMENTING CO., INC.

17021

Federal Tax I.D.# _____

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

SERVICE POINT: Russel

DATE <u>7/24/04</u>	SEC. <u>19</u>	TWP. <u>12</u>	RANGE <u>17</u>	CALLED OUT <u>11:00pm</u>	ON LOCATION <u>2:00pm</u>	JOB START	JOB FINISH <u>4:00pm</u>
LEASE <u>Karl</u>	WELL # <u>1</u>	LOCATION <u>Tadon SK</u>			COUNTY <u>Ellis</u>	STATE <u>Ka</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Vonfeldt Dels

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D. 261

CASING SIZE 8 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 15" bbls

OWNER _____

CEMENT AMOUNT ORDERED 170 bbls Cem 3-2

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

ASC @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING @ _____

MILEAGE _____

EQUIPMENT

PUMP TRUCK CEMENTER Bill

366 HELPER MARK

BULK TRUCK

213 DRIVER GARY

BULK TRUCK

DRIVER

REMARKS:

Ran 6 bbls of 8 1/2 rd C 258

Cem w 170 bbls 3-2

pump plug w 15' bbls of water

Cem lid Circ

CHARGE TO: Hertel Oil

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 Donny Budy

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

1.525 wood @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

MANIFOLD @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Donny Budy

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