

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33625
Name: HERTEL OIL COMPANY, LLC
Address 1: 704 East 12th Street
Address 2: _____
City: Hays State: KS Zip: 67601 +
Contact Person: David Hertel
Phone: (785) 628-2445
CONTRACTOR: License # 31548
Name: Discovery Drilling Co., Inc.
Wellsite Geologist: Randall Kilian

Purchaser: _____
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
 Oil _____ SWD _____ SIOW
_____ Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
_____ 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. _____ Conv. to SWD
_____ Plug Back: _____ Plug Back Total Depth
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
11/19/09 11/24/09 11/25/09
Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date

API No. 15 - 051-25,939-00-00
Spot Description: 220'S & 160'W of
SE SW SE Sec. 13 Twp. 13 S. R. 18W East West
110 Feet from North / South Line of Section
1810 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: GOTTSCHALK-POLIFKA Well #: 1
Field Name: Wildcat

Producing Formation: LKC
Elevation: Ground: 2163 Kelly Bushing: 2171
Total Depth: 3800 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 223.03 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1408 Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____
(30sks In Rat Hole)(15sks In Mouse Hole) ^{sx} cmt.

Drilling Fluid Management Plan AH II Nov 2-2-10
(Data must be collected from the Reserve Pit)
Chloride content: 16,000 ppm Fluid volume: 240 bbls
Dewatering method used: Evaporation
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: _____
Title: Managing Member Date: 1-4-2010
Subscribed and sworn to before me this 4th day of January
20 10
Notary Public: Arlene M. Brungardt
Date Commission Expires: 3-20-2013

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
_____ UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
JAN 25 2010

ARLENE M. BRUNGARDT
NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 3-20-2013

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

Operator Name: HERTEL OIL COMPANY, LLC Lease Name: GOTTSCHALK-POLIFKA Well #: 1
Sec. 13 Twp. 13 S. R. 18W East West County: Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail oil 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 (Attach Additional Sheets) Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy) List All E. Logs Run: all logs enclosed Radiation Guard, Microresistivity and Sonic Bond Log

CASING RECORD Table with columns: 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. Includes Surface Pipe and Production St. entries.

ADDITIONAL CEMENTING / SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes entry for 60-140' depth with 60/40 poz cement.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: 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. Includes entry for 2 per ft. in Lansing-Kansas City.

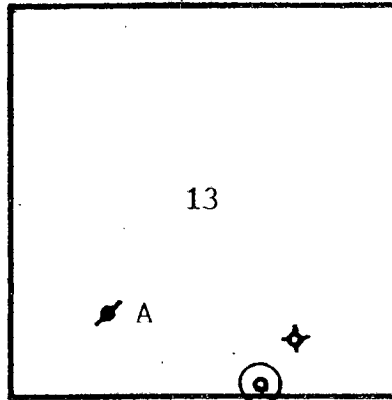
TUBING RECORD: Size: 117 joints, 2 3/8" Set At: 3,754' Packer At: Liner Run: Date of First, Resumed Production, SWD or Enhr. January 2, 2010 Producing Method: Pumping. Estimated Production Per 24 Hours: Oil 20 Bbbs., Gas Mcf, Water 15 Bbbs., Gas-Oil Ratio, Gravity 29.

DISPOSITION OF GAS: Vented Sold Used on Lease METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled PRODUCTION INTERVAL:

FORMATION TOPS & STRUCTURAL GEOLOGY

R 18 W

T
13
S



REFERRED TO:

- A: DREILING RESOURCES, INC.
- #1 B Polifka NW SE SW 13
- B: _____
- C: _____
- D: _____
- E: _____

STRATIGRAPHIC MARKERS	SUBJECT WELL			STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D	E
Anhydrite	1398'	1392'	+ 779	+ 761				
Base	1438'	1432'	+ 739					
Topeka	3177'	3175'	-1004	- 995				
Heeb. Sh.	3420'	3416'	-1245	-1249				
Toronto	3443'	3437'	-1266	-1271				
Lansing	3466'	3463'	-1292	-1296				
BKc.	3691'	3691'	-1520	-1535				
Cong.	3723'	3717'	-1546	-1557				
ReWork Arb	3756'	3758'	-1587					
Arbuckle	3764'	3766'	-1595					
TD.	3800'	3800'	-1629	-1600				

Pipe strap .01' long.

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JAN 25 2010

CONSERVATION DIVISION
WICHITA, KS

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

ALLIED CEMENTING CO., LLC. 33656

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

SERVICE POINT:
Russell KS

DATE <u>11-19-09</u>	SEC. <u>13</u>	TWP. <u>13</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:45pm</u>	JOB FINISH <u>7:15pm</u>
LEASE <u>Polifka-Gottschalk Unit</u>		WELL # <u>1</u>		LOCATION <u>Commerce Pky. & I-70 North</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR <u>(NEW)</u> (Circle one)				<u>to fairground Rd 3/4 East North into</u>			

CONTRACTOR Discovery Rig #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223

CASING SIZE 8 5/8 20" DEPTH 223

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.25 Bbl

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts
398 HELPER Shane

BULK TRUCK DRIVER LaRene
473

BULK TRUCK DRIVER

OWNER

CEMENT

AMOUNT ORDERED 150 com 3% cc 2% Gel

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		

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@
JAN 08 2010
@
KCC WICHITA
@

HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>Minimum</u>			<u>300.00</u>
TOTAL				<u>2980.75</u>

REMARKS:

Est. Circulation

Mix 150 sk Cement

Displace w/ 13.25 Bbl H2O

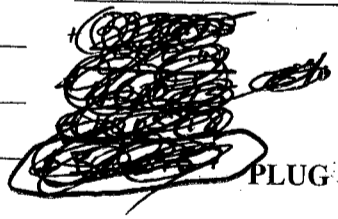
Cement Did Circulate!

Thank You!

CHARGE TO: Hertel Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____



SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 99.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 7 @ 7.00 49.00

MANIFOLD _____ @ _____

TOTAL 1040.00

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE Cliff Mayfield

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 33661

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

SERVICE POINT:
Russell KS

DATE <i>11-25-09</i>	SEC. <i>13</i>	TWP. <i>13</i>	RANGE <i>18</i>	CALLED OUT	ON LOCATION	JOB START <i>11:00am</i>	JOB FINISH <i>11:45am</i>
Pol. fka - Gottschalk LEASE Unit		WELL # <i>1</i>		LOCATION <i>Commerce Parkway North to Fairground</i>		COUNTY <i>Ellis</i>	STATE <i>KS</i>
OLD OR <u>NEW</u> (Circle one)				<i>Rd 3/4 East North into</i>			

CONTRACTOR *Discovery Drilling Rig 41*

TYPE OF JOB *Production Stringer*

HOLE SIZE *7 7/8* T.D. *3800*

CASING SIZE *4 1/2* 10.5 DEPTH *3799'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL *Port Collar* DEPTH *1408.11*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *22.25*

CEMENT LEFT IN CSG. *22.25*

PERFS.

DISPLACEMENT *60.05 Bbl*

OWNER

CEMENT

AMOUNT ORDERED *210 Com 10% Salt*

500 gal WFR-2

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

EQUIPMENT

PUMP TRUCK CEMENTER *John Roberts*

398 HELPER *Glenn*

BULK TRUCK

378 DRIVER

BULK TRUCK

DRIVER

REMARKS:

Run 4 1/2 pipe circulate 30 min. on bottom

Mix 500 gal WFR-2 Plug Rat hole 30sk

Plug Mouse hole 15sk Mix 165 sk cement

Insert @ 3776.78 Displace Plug w/

60 Bbl H₂O.

Land plug @ 1300 psi

Float Did Hold! Thank You!

CHARGE TO: *Hertal Oil Co*

STREET

CITY STATE ZIP

To Allied Cementing Co., LLC.

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PRINTED NAME

SIGNATURE *[Signature]*

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

(4 1/2)

Port Collar @

1-Cement Basket @

8-Centralizers @

AFU Float Shoe @

Latch down plug @

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

IF PAID IN 30 DAYS

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JAN 08 2010

KCC WICHITA

ALLIED CEMENTING CO., LLC. 33679

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

SERVICE POINT:
Russell KS

DATE <u>12-16-09</u>	SEC. <u>13</u>	TWP. <u>13</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30am</u>	JOB FINISH <u>11:00 am</u>
Polifka-Gottschalk LEASE <u>Unit</u>		WELL #/	LOCATION <u>Haysks vic I-70 & Commercial Parkway</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)			<u>North to Fairground Rd 3/4 East North into</u>				

CONTRACTOR Express Well service

TYPE OF JOB Top Stage Port collar

HOLE SIZE _____ T.D. _____

CASING SIZE 4 1/2 DEPTH BP @ 3200'

TUBING SIZE 2 3/8 DEPTH 1400'

DRILL PIPE _____ DEPTH _____

TOOL Pan's Packer DEPTH Port collar 1400'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 5.46 Bbl

OWNER _____

CEMENT

AMOUNT ORDERED 200 6 1/4 6 1/2 #Flt

COMMON	<u>120</u>	@	<u>13.50</u>	<u>1620.00</u>
POZMIX	<u>80</u>	@	<u>7.55</u>	<u>604.00</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>6</u>	@	<u>51.50</u>	<u>309.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>100</u>	@	<u>2.25</u>	<u>225.00</u>
MILEAGE	<u>110.56/mile</u>			<u>300.00</u>
TOTAL				<u>3118.75</u>

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KCC WICHITA

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

417 HELPER Craig

BULK TRUCK

481 DRIVER Matt

BULK TRUCK

_____ DRIVER _____

REMARKS:

Test port collar & plug 1600 psi

Open port collar mix 200sc

Cement Displace w/ 4 bbl H₂O

Close port collar test to 1000 psi

Run 10 sts tubing Turn the hole

to wash clean. Convex out of hole

Cement did circulate! Thank You!

SERVICE

DEPTH OF JOB	_____		
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE	_____	@	
MILEAGE	<u>7</u>	@	<u>2.00</u> <u>49.00</u>
MANIFOLD	_____	@	
	_____	@	
	_____	@	
TOTAL <u>1040.00</u>			
1039.00			

CHARGE TO: Hertel Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE _____