

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM**

Form ACO-1
September 1999
Form Must Be Typed

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 8729
 Name: HERTEL OIL COMPANY
 Address: 704 East 12th Street
 City/State/Zip: Hays, KS 67601
 Purchaser: _____
 Operator Contact Person: David Hertel
 Phone: (785) 628-2445
 Contractor: Name: Discovery Drilling Co., Inc.
 License: 31548

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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. _____

<u>9/5/01</u>	<u>9/10/01</u>	<u>9/11/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25,101-0000

County: Ellis

-SW-SE-NE Sec. 2 Twp. 12 S. R. 19W East West

2970 feet from (S) N (circle one) Line of Section

990 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) (NE) (SE) NW SW

Lease Name: Keberlein Well #: 1

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2110 Kelly Bushing: 2118

Total Depth: 3685 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 213.62 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 7/24/07
 (Data must be collected from the Reserve Pit)

Chlorida content 18,000 ppm Fluid volume 320 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: co-owner/ operator Date: November 5, 2001

Subscribed and sworn to before me this 5th day of November

2001.
 Notary Public: Arlene M. Brungardt

Date Commission Expires: 3-20-2005

ARLENE M. BRUNGARDT
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appt. Exp. 3-20-2005

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: HERTEL OIL COMPANY Lease Name: Keberlein Well #: 1
 Sec. 2 Twp. 12 S. R. 19w 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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum (see enclosed sheet)
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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	20	213.62	Common	140	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, 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 Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

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

Production Interval _____

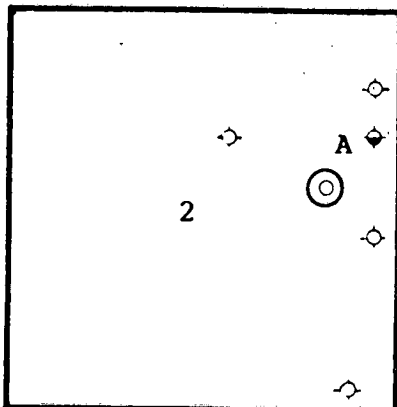
FORMATION TOPS & STRUCTURAL GEOLOGY

R.19 W.

REFERRED TO:

ORIGINAL

T.
12
S.



A: HUMMON OIL CORP.
Keberlein #1 NE SE NE 2

B: _____

C: _____

D: _____

E: _____

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STRATIGRAPHIC MARKERS	SUBJECT WELL		STRUCTURAL POSITION				
	SAMPLE	E. LOG	DATUM	A	B	C	D
Anhydrite	1457'	1459'	+ 659	+ 659			
Base	1496'	1496'	+ 622	+ 622			
Topeka	3131'	3131'	-1013	-1005			
Heeb. Sh.	3356'	3358'	-1240	-1231			
Toronto	3380'	3376'	-1258	-1255			
Lansing	3398'	3398'	-1280	-1275			
Base Kc.	3630'	3632'	-1514	-1503			
Smp. Dolo.	3658'	3660'	-1542	-1533			
Arb.	-	-	-	-1546			
T.D.	3685'	3687'	-1569	-1565			

Pipe strap strap 1.88' long.

DRILL STEM TESTS

NO	INTERVAL	IFP/TIME	ISIP/TIME	FFP/TIME	FSIP/TIME	IHP/FHP	RECOVERY
1	LKc A-D 3385- 3460'	17# 36# 30"	626# 45"	37# 48# 30"	580# 45"	1612# 1571#	65' Mud s.o.
2							
3							
4							
5							
6							
7							
8							

ALLIED CEMENTING CO., INC.

09912
ORIGINAL

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

SERVICE POINT: R

DATE <u>9/10/01</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>10:30 A.M.</u>	JOB START <u>12:00 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>Keberlein</u>	WELL # <u>1</u>	LOCATION <u>Hays N to Buckeye Rd.</u>			COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>4w 2 3/4w W I W 10</u>			

CONTRACTOR Discovery

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 31685

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 200 6% 40 6% 6el
1/4 # F10

EQUIPMENT

PUMP TRUCK CEMENTER Paul

153 HELPER Jason

BULK TRUCK DRIVER Colen

160

BULK TRUCK DRIVER _____

COMMON	<u>120</u>	@	<u>6.65</u>	<u>798.00</u>
POZMIX	<u>80</u>	@	<u>3.55</u>	<u>284.00</u>
GEL	<u>10</u>	@	<u>10.00</u>	<u>100.00</u>
CHLORIDE		@		
<u>Floesol</u>	<u>50#</u>	@	<u>1.40</u>	<u>70.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>210</u>	@	<u>1.10</u>	<u>231.00</u>
MILEAGE	<u>44 SK/mile</u>			<u>336.00</u>

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TOTAL 1819.00

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REMARKS:

1500' - 25sx

775' - 100sx

275' - 40sx

40' - 10sx

Mousehole 10sx

Rathole 15sx

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>520.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>40</u>	@	<u>3.00</u>	<u>120.00</u>
PLUG <u>8 5/8 Dryhole</u>		@		<u>23.00</u>
		@		
		@		

TOTAL 663.00

CHARGE TO: Hertel Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

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

Thomas Alm

Thomas Alm

PRINTED NAME