

KANSAS CORPORATION COMMISSION  
OIL & GAS DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

9-23-02  
SEP 23 2002  
KCC ORIGINAL  
WICHITA

Operator: License # 5050  
Name: Hummon Corporation  
Address: 950 N. Tyler  
City/State/Zip: Wichita, KS 67212  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Wendy Wilson **KCC**  
Phone: (316) 773-2300 **SEP 20 2002**  
Contractor: Name: Duke Drilling Rig #7  
License: 5929 **CONFIDENTIAL**  
Wellsite Geologist: Arden Ratzlaff

API NO. 15 - 175-20529-0001  
County: Seward  
SE - NE - Sec. 12 Twp 32 S. R. 31  East  West  
1985 feet from S / (N) (circle one) Line of Section  
661 feet from (E) W (circle one) Line of Section

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

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

If Workover/Re-entry: Old Well Info as follows:  
Operator: Tucker Production Company

Producing Formation: St. Louis  
Elevation: Ground: 2773' Kelly Bushing: 2784'  
Total Depth: 6065' Plug Back Total Depth: 6021'  
Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet

Well Name: Bobicki #1-14  
Original Comp. Date: 4/4/81 Original Total Depth: 6070'  
 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. \_\_\_\_\_  
6/11/02 6-15-02 7/17/02  
Spud Date or 6-15-02 Date Reached TD 6-15-02 Completion Date or 7-17-02 Recompletion Date

If Alternate II completion, cement circulated from \_\_\_\_\_ feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan See 9-25-02  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
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 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: Wendy Wilson  
Title: Production Manager Date: 9/20/02  
Subscribed and sworn to before me this 20th day of September, 2002  
Notary Public: Karen J. Benbrook  
Date Commission Expires: 6-17-06

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

**KAREN J. BENBROOK**  
NOTARY PUBLIC  
STATE OF KANSAS  
My App. Expires 6-17-06

NOV 07 2003  
From  
Confidential

Operator Name: Hummon Corporation Lease Name: Eakes Well: 1
Sec. 12 Twp. 32 S Rng 31 Eas West County: Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem tests giving interval test, 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 charts(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
Cores Taken
Electric Logs Run Yes/No (Submit Copy)
List All E. Logs Run:
Dual Induction
Dual Compensated Porosity
Microresistivity

Log Formation (Top), Depth and Datum Name Top
Sample Datum
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CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
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.

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose (Perforate, Protect Casing, Plug Back TD, Plug Off Zone), Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

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

TUBING RECORD
Size Set At Packer At
Liner Run
Date of First, Resumed Production, SWD or Enhr. Producing Method
Estimated Production Per 24 Hours Oil Bbls Gas Mcf Water Bbls Gas-Oil Ratio Gravity

DISPOSITION OF GAS METHOD OF COMPLETION
Vented X Sold Used On Lease Open Hole Other Specify
Production Interval Perf Dually Comp. Commingled

Release
NOV 07 2003
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ORIGINAL

SEP 20 2002

Eakes #10WWO RECEIVED

SEP 23 2002

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KCC WICHITA

6-11 MIRU

- 6-12 Prep to kick off, Spud 8:15am
- 6-13 5489' mixing mud
- 6-14 6080' CICM Circ mud @ 7:00am, @ 7:45am TO for logs
- 6-15 R.U. Run 144 jts [5 1/2" 15.5 csg] Set @ 6062' 3' off bottom. 39 jts used Talley 143.46 105 jts new = 4613.60 Total Talley 6067.06. Ran 63 jts, Port Collar, 81 jts on top. (Port-collar-@-356.1# Cement w/ 10 bbls ASF flush, 250 sft, 15% salt, 10% Gyp Seal, 6# Kol Seal, 1/4# flo seal, 8% Fl-10) Rat hole: 15 st 60-40-6 Pac. Plug down @ 8:15 p.m.
- 6-21 Production string set 6-16 am, moving Leiker in to complete.
- 6-23 Run cement bond log
- 6-25 MIRU unloaded [2.3/8" tubing casing swab 4000' runs TIH model packer CD nipple 190 jts tubing] left packer swinging @ 5858'. SDFN @ 8:00pm
- 6-26 Perf fl-5876' - 5882' 4 spf w/ innovator Run 8', 6', and 4' pup jts. (Set packer @ 5874'. Bottom @ 76 swab down. Show of gas & oil. R.U. pump 750 gal 15% MCA w/ 15% meth. Max rate 2.3 bbls p/m @ 800#. Broke down @ 1700#. Total load 42 bbls. R. U. swab pull 23 bbls show gas & strong blow. Next swab shows oil. 30 bbls back. R.U. Re-treat w/ 1500 gal 15% FE/NE w/ meth. Max rate 3.56pm @ 1150# ISIP 100# O 15 min. R.U. pull subs pkr @ 5858. Load 62 bbls. RU start swab. Swab total 64 bbls for day. 40 bbls left to rec. SDFN.
- 6-27 TP 1400# CP - 450#. Swab total of 80 bbls oil still has fines. Drying up 300+ ft per half-hour. Gas blow steady. SDFN. Will re-treat 6/28/02. (pump 7.15 of 15% MCA w/ 15% methanol; max rate 2.3 bbls @ 800#. ISIP 150#, 3 minutes of vacuum total load 42 bbls. After swabbing 23 bbls, had a show of gas.
- 6-28 TP 1410#, re-treated well. Blow well down. Flow 1 bbl to tank, oil & water. RU (Cudd pump 3000 gal 15% acid w/ additives. Max rate 3 bpm, max press 781 ISIP 129#. 15 min 16#. Blow down csg. Re-lease pkr. Let swing @ 5858' load this job 134bbls load left from yesterday 20 bbls. Water on backside 20bbls. Total to recover 174 bbls. Start swab @ 10:00 a.m.; 3:30 p.m. swab back 97 bbls 77 left tbg. Blow after pull w/ small show of gas. 5# CP, no oil F.L. 3300'. 7:30pm total swab 146 bbls small show oil. Oil is clean. Very strong blow after each pull. CP 160#. F.L. scattered. SDFN.
- 6-29 TP 1080#, CP 1100#. Blow down flow & swab 20 bbls, 57 left. SDFN
- 7-1 TP 1420#, CP 1450# @ 7:00 a.m.  
TP 350 #, CP 700# @ 7:30 a.m.  
TP 290#, CP 600# @ 7:40 a.m.; unloading fluid 16/64 choke. Recovered 16 bbls of fluid back since 7:00 a.m. - 4:00p.m. (9hours). Flowing @ 100# TP, 300# CP, rate 153 mcf.
- 7-2 TP 70#, CP 440# (flowing pressures) flowed all night @ 143 mcf. 0 fluid. Blew down as good as possible, started swabbing. Got swab in and recovered mostly oil. Recovered a total of 14 bbls of oil and water. Down to 70# TP, and 190# CP. Hooked up to test separator.  
7:30 a.m. 70# TP, 275# CP. Flow rate of 163 MCF, 0 fluid. SWI, awaiting hook up.
- 7-3 Through 7-8 Still waiting for hook-up. Setting up equipment.
- 7-10 1430# TP, 1440# CP - Hooking up, laying line. Hoping to be online by the end of this week.
- 7-15 Per Pumper, waiting on pipeline. Should be there 7-16-02. Pressure holding @ 1430# TP, 1440# CP.
- 7-17 Put online
- 7-18 1060# TP, 600# CP, sold 191 MCF. Flow rate 161 MCF, dropping plunger today to get fluid off.
- 7-19 100# TP (getting through flowing), 620# CP, 62# LP, sold 156 MCF, 8 bbls fluid - 11hrs.
- 7-20 500# TP, 500# CP, 145 MCF, 0 bbls fluid, 8 hrs
- 7-21 500# TP, 775# CP, 130 MCF, 3 bbls fluid, 8 hrs
- 7-22 100# TP, 300# CP, 171 MCF, 18 bbls fluid, 15 hrs
- 7-23 100# TP, 200# CP, 160 MCF, 15 bbls fluid, 15 hrs, 33# LP
- 7-24 80# TP, 200# CP, 153 MCF, 5 bbls fluid, 18 hrs, 35# LP
- 7-25 100# TP, 170# CP, 138 MCF, 8 bbls fluid, 18 hrs, 45# LP
- 7-26 100# TP, 170# CP, 138 MCF, 8 bbls fluid, 18 hrs, 45# LP
- 7-27 80# TP, 200# CP, 136 MCF, 3 bbls fluid, 20 hrs, 35# LP
- 7-28 40# TP, 200# CP, 129 MCF, 0 bbls fluid, 17 hrs, 33# LP
- 7-29 40# TP, 200# CP, 129 MCF, 3 bbls fluid, 16 hrs, 32# LP
- 7-30 40# TP, 200# CP, 128 MCF, 3 bbls fluid, 16 hrs, 32# LP
- 7-31 40# TP, 200# CP, 120 MCF, 3 bbls fluid, 16 hrs, 34# LP

Release  
NOV 07 2003  
From  
Confidential



Date 6-15-02 District Med Lodge Ticket No. 10084  
 Company Huffman Corp Rig Duke #4  
 Lease Wakesi Owbo Well No. 100  
 County Seward State KS  
 Location Plugs 35 W on 160 to City line N W 1/4 Field 2-325-316  
 CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 52 Type \_\_\_\_\_ Weight 15.5 Collar \_\_\_\_\_

**KCC**

Casing Depths: Top SEP 20 2002 Bottom 606.2

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Drill Pipe: Size 2 7/8 Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 2 7/8 T.D. 606.5 ft. P.B. to \_\_\_\_\_ ft.  
 CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 42.01  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.40  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: 10 BBLs ASF - 5 BBLs Fresh H<sub>2</sub>O  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60-40-6  
 Excess \_\_\_\_\_  
 Amt. 25 Skys Yield 1.58 ft<sup>3</sup>/sk Density 13.8 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type H + Additives  
 Excess \_\_\_\_\_  
 Amt. 250 Skys Yield 1.53 ft<sup>3</sup>/sk Density 14.8 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 348-265 Steve D  
 Bulk Equip. 559-251 Mark H

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type AFU Float Shoe Depth 606.7  
 Float: Type latch down Depth 60.31  
 Centralizers: Quantity 10 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars foot collar 3580  
 Special Equip. 3 Baskets  
 Disp. Fluid Type 2% KCl Amt. 1.40 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Frank Clark CEMENTER Justin Hart

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:40	500					Dye on Bottom Drop Ball Break Circ Pump 10 BBLs ASF + 5 BBLs Fresh Mix 10 sx 60-40-6 Mouse Hole 1/5 sx 60-40-6 Rat Hole Mix 250 sx H + 10% salt + 10% Gyp Seal 6" kal-seal 1/2" Flo-seal + 1" 1 3/4" FI-10 @ 14.8#
7:20	400	WICHITA		15	5	
			SEP 2.5 BBL	3	4	slut down + Wash Pump + lines Release Plug Start Disp 100 BBLs out lift Press 120 BBLs out slow Rate 140 BBLs slow Rate 148 BBLs, Bump Plug Release Press Float Held
		KCC WICHITA		68	6	
7:45						Release NOV 1 2003 From Confidential
	300				6	
	750				4	
8:15	1100				3	
	1200		258	148	3	
	1900					