

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 007-22551 0000  
County Barber County, Kansas *plugged 1/12/98*  
N/2- NW- SW-      Sec. 12 Twp. 33 Rge. 12      <sup>E</sup><sub>X</sub>  
2310 Feet from SW (circle one) Line of Section  
660 Feet from EN (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Joanne Well # 1  
Field Name Rhodes  
Producing Formation none  
Elevation: Ground 1420' KB 1431'  
Total Depth 4450' PBDT       
Amount of Surface Pipe Set and Cemented at 355 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 D&A JH 2-9-98  
(Data must be collected from the Reserve Pit)  
Chloride content 7000 ppm Fluid volume 240 bbls  
Dewatering method used Haul free fluids  
Location of fluid disposal if hauled offsite:       
Operator Name Oil Products of Ks.  
Lease Name Watson #2 License No. 8061  
SW Quarter Sec. 8 Twp. 29 S Rng. 15 EN  
County Pratt Docket No. D-24324

Operator: License # 5050  
Name: Hummon Corporation  
Address 950 N. Tyler  
City/State/Zip Wichita, KS 67212  
Purchaser: N/A  
Operator Contact Person: Kent Roberts/Joyce Cochran  
Phone ( 316 ) 773-2300

Contractor: Name: Duke Drilling Co., Inc.  
License: 5929  
Wellsite Geologist: Arden Ratzlaff  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

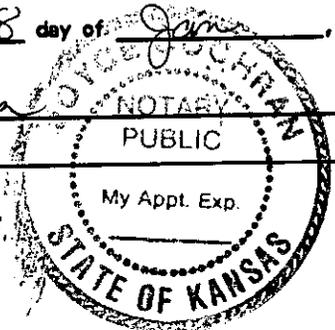
If Workover/Reentry: Old Well Info as follows:  
Operator:       
Well Name:       
Comp. Date      Old Total Depth       
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No.       
 Dual Completion  Docket No.       
 Other (SWD or Inj?)  Docket No.       
12-31-97 01-11-98 01-12-98  
Spud Date Date Reached TD Completion Date

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 on 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.

JAN 9 1998

Signature Kent Roberts  
Title Lease Operations Manager Date 01-28-98  
Subscribed and sworn to before me this 28 day of Jan, 19 98.  
Notary Public Joyce Cochran  
Date Commission Expires 4-10-99



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SMD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Operator Name Hummon Corporation Lease Name Joanne Well # 1  
 Sec. 12 Twp. 33 Rge. 12  East County Barber County, Kansas  
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elgin Sand	3412	-1981
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3572	-2141
List All E.Logs Run:		Lansing	3752	-2321
		BKC	4228	-2797
		Mississippian	4372	-2941

DIL, CNL-CDL, MICRO

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"	24#	355'	60/40 Poz	225	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       Yes  No

Date of First, Resumed Production, SMD or Inj. D&A      Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

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

Disposition of Gas:      METHOD OF COMPLETION      Production Interval

Vented     Sold     Used on Lease       Open Hole     Perf.     Dually Comp.     Commingled

(If vented, submit ACO-18.)       Other (Specify) \_\_\_\_\_

15-007-22551

**HUMMON CORPORATION**

**ORIGINAL**

LEASE: JOANNE #1

SPOT: N/2 NW SW SECTION: 12 - T33S - R12W

COUNTY: BARBER

STATE: KANSAS

**DST #1 (3340'-3420')** 30-45-30-45, IF: strong blow off btm in 10 seconds, FF: strong blow in 20 seconds, GTS 20 min into first shut-in, 5 min = 5,050 CFG, 10 min = 2,370 CFG, 20 min = 1,670 CFG, 30 min = 1,180 CFG. Recovered 100' gsy mud, 150' MGCW, 1300' SMCGW, drop bar reverse to pit, chlorides 42,000. FP = 437-565 / 662-775, SIP = 1128/1123, BHT 108.

**DST #2 (3411'-3440')** 30-45-30-45, IF: Strong blow, GTS in 11 minutes, 15 min = 17,400 CFG, 20 min = 17,400 CFG, 25 min = 15,900 CFG, 30 min = 13,900 CFG. FF 5 min = 1,180 CFG, 10 min = 1,180 CFG, 15 min = 1,290 CFG, 20 min = 1,678 CFG, 25 min = 1,980 CFG, 30 min = 2,240 CFG. Recovered 100' MGCW, 180 SMCGW, 360' VSMCGW with trace of oil, 260' CGW. Chlorides 58,000. FP= 213-245/307-462. SIP 1114-1108, BHT 101

**DST #3 (3567'-3603')** 30-45-90-120, IF: Fair blow built to btm in 3 min, FF: Strong blow built to btm in 20 seconds. Recovered 500' GIP, 100' Gsy mud with VSSO. FP= 43-56 / 59-77, SIP = 366-1024, BHT 106.

**DST #4 (3612'-3656')** 30-30-30-30, IF :weak blow for 8 min and died. FF: weak blow for 3 min. and died. Recovered 20' mud, NS. FP= 48-35/55-65. SIP= 166-146. BHT 99.

**DST #5 (4327'-4355')** 30-45-30-45, IF: weak steady 2" blow throughout. FF: weak surface blow that died in 8 min. Recovered 10' of drlg mud, NS. FP= 33-42 / 36-37. SIP= 52-44, BHT 110

**DST #6 (4347'-4450')** 45-60-60-90, IF: Strong blow decreased to fair. FF: Strong blow decreased to fair. Recovered 900' GIP 45' hvy mud. FP= 73-73 / 73-73. SIP= 384-421, BHT 107.

RECEIVED  
OF CORPORATE COMMISSION

JAN 9 9 1998

COMMISSION DIVISION  
Wichita, Kansas

# ALLIED CEMENTING CO., INC. 6568

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

ORIGINAL

SERVICE POINT:  
med. lodge, ks

DATE <u>12-31-97</u>	SEC. <u>12</u>	TWP. <u>33s</u>	RANGE <u>12w</u>	CALLED OUT <u>9:00 P.M.</u>	ON LOCATION <u>10:30 P.M.</u>	JOB START <u>10:30 A.M.</u>	JOB FINISH <u>1:30 A.M.</u>
LEASEE <u>Toanne</u>		WELL # <u>1</u>	LOCATION <u>60+281 Trt. 6s-1/2w-3/4s</u>		COUNTY <u>Barber</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Drng. #5  
 TYPE OF JOB Surface Casg.  
 HOLE SIZE 12 1/4 TD. 357  
 CASING SIZE 8 5/8 x 24 DEPTH 355  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 225 MINIMUM 150  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15 feet  
 PERFS. \_\_\_\_\_

OWNER Hummon Corp.  
CEMENT

AMOUNT ORDERED 22555.60/40/30% Gel  
30% CaCl2

COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING _____ @ _____
MILEAGE _____ @ _____

**EQUIPMENT**

PUMP TRUCK CEMENTER Larry Dreiling  
 # 223 HELPER Justin Hart  
 BULK TRUCK # 301 DRIVER Mark Brundgaardt  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

**SERVICE**

Pipe on Bottom - Break Circ  
Mix + Pump 22555.60/40/30% CaCl2  
30% Gel Release Plug Pump + Displace  
Plug w/ 2 1/2 Bbls Fresh H2O Stop Pumps  
Shut In Cement Circ to Surface

DEPTH OF JOB <u>355</u>
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
PLUG <u>woodcup 8 5/8</u> @ _____
_____ @ _____
_____ @ _____

TOTAL \_\_\_\_\_

CHARGE TO: Hummon Corp.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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 [Signature] JOE LEVING STON



# ALLIED CEMENTING CO., INC. 6572

REMIT TO: PO BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL SERVICE POINT  
med lodge ks

DATE: 1-12-98	SEC: 12	TWP: 33S	RANGE: 12W	CALLED OUT: 5:00 A.M.	ON LOCATION: 10:30 A.M.	JOB START: 12:45 P.M.	JOB FINISH: 2:30 P.M.
LEASE: Joane	WELL #:	LOCATION: 60' 281 Jct. 65-12W-7/4S			COUNTY: Barber	STATE: KS	

OLD OR NEW (Circle one)

CONTRACTOR: Duke #5 OWNER: Hummon Corp.

TYPE OF JOB: Rotary Plug CEMENT

HOLE SIZE: 7 7/8 T.D. AMOUNT ORDERED: 1255XS 60/40/6% Gel

CASING SIZE: 85/8 x 24 DEPTH: 358

TUBING SIZE: DEPTH: DRILL PIPE: 4 1/2 x 16.60 DEPTH: 660

TOOL: DEPTH: PRES. MAX: 150 X MINIMUM: 75 COMMON: @

MEAS. LINE: SHOE JOINT: POZMIX: @

CEMENT LEFT IN CSG: GEL: @

PERFS: CHLORIDE: @

**EQUIPMENT**

PUMP TRUCK CEMENTER: Army Dredging #266 HELPER: Justin Hart

BULK TRUCK DRIVER: John Kelley

BULK TRUCK DRIVER:

**REMARKS:**

660' - 505XS  
360' - 405XS  
40' - 105XS  
mousehole - 105XS  
Rathole - 155XS  
Cemented w/ 1255XS 60/40/6% Gel

**SERVICE**

DEPTH OF JOB: 660  
PUMP TRUCK CHARGE: 1743.11  
EXTRA FOOTAGE: @  
MILEAGE: @  
PLUG: @  
TOTAL: 300.11

CHARGE TO: Hummon Corp.

STREET: FLOAT EQUIPMENT

CITY: STATE: ZIP:

TAX: TOTAL CHARGE: DISCOUNT: IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cement 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: [Signature]

TOTAL CHARGE: 300.11  
DISCOUNT: [Blank]  
IF PAID IN 30 DAYS: [Stamp: JAN 7]

ORIGINAL



**CEMENTING LOG**

STAGE NO. \_\_\_\_\_

Date 1-12-98 District med. lodge Ticket No. 6572  
 Company Huffman Corp Rig Duke #5  
 Lease Joane Well No. 1  
 County Barber State KS  
 Location 160+281 Fct. 65- Field 12-335-12w  
12w-345

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 8 5/8 Type SSS Weight 24 Collar \_\_\_\_\_

Casing Depths: Top 358-8 5/8 Bottom \_\_\_\_\_

Drill Pipe: Size 4 1/2 Weight 16.60 Collars whole  
 Open Hole: Size 7 7/8 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.633 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993  
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32  
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474  
 Bbls/Lin. ft. 0.440 Lin. ft./Bbl. 22.72  
 Perforations: From \_\_\_\_\_ ft. to LOCP ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type CLASS A  
60/40/6%Gel Excess \_\_\_\_\_  
 Amt. 125 Skys Yield 1.58 ft<sup>3</sup>/sk Density 13.8 PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail 2.8 gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 266- Justin H  
 Bulk Equip. 242- John R.

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth 1431  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 3112  
 Disp. Fluid Type Fresh H<sub>2</sub>O Amt. 7 Bbls. Weight 8.34 PPG  
 Mud Type Chemical Weight 9.45 PPG

COMPANY REPRESENTATIVE Joe Livingston

CEMENTER Kenny Dinning

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:50	100		7		4	660' w/ 50SXS. 60/40/6
	125		19		5 1/2	START H <sub>2</sub> O SPACER
			3 1/2		3	START CEMENT INCREASE RATE
1:00						START H <sub>2</sub> O DISPLACE
						STOP PUMPS
1:15	100		5		4	360' w/ 40SXS. 60/40/6
	125		11		5 1/2	START H <sub>2</sub> O SPACER
	75		3		3	START CEMENT
1:22						START H <sub>2</sub> O DISPLACE
						STOP PUMPS
1:30	50		3		3	40' w/ 10SXS. 60/40/6
1:35	50		3		3	mousehole w/ 10SXS. 60/40/6
1:40	50		4		3	Rathole w/ 15SXS. 60/40/6
						Cemented w/ 125SXS. 60/40/6%Gel

JAN 29 1998

FORM MUST BE TYPED

FORM MUST BE SIGNED

ALL BLANKS MUST BE FILLED

FOR KCC USE:

EFFECTIVE DATE: 10-26-97

DISTRICT # 1  
SSA7.  Yes  No

State of Kansas

NOTICE OF INTENTION TO DRILL 15-007-22,551-00-00

Must be approved by the K.C.C. five (5) days prior to commencing well

Expected Spud Date October 27 1997  
month day year

Spot N/2 NW SW Sec 12 Twp 33 S Rg 12 West

OPERATOR: License # 5050  
Name: Hummon Corporation  
Address: 950 N. Tyler  
City/State/Zip: Wichita, KS 67212-3240  
Contact Person: Kent Roberts or Joyce Cochran  
Phone: (316) 773-2300

2310' feet from South North line of Section  
660' feet from East West line of Section

IS SECTION  REGULAR  IRREGULAR  
(NOTE: Locate well on the Section Plat on Reverse Side)

CONTRACTOR: License #: 5929  
Name: Duke Drilling Company

County: Barber  
Lease Name: Joanne Well #: 1

Field Name: Rhodes  
Is this a Prorated/Spaced Field? yes  no

Target Formation(s): Mississippian  
Nearest lease or unit boundary: 330'

Well Drilled For: Well Class: Type Equipment:  
 Oil Enh Rec  Infield  Mud Rotary  
 Gas Storage Pool Ext Air Rotary  
 OWWO Disposal Wildcat Cable  
 Seismic: # of Holes Other

Ground Surface Elevation: unknown 1450 ASL feet MSL  
Water well within one-quarter mile: yes  no

Public water supply well within one mile: yes  no   
Depth to bottom of fresh water: 60' 130'

Depth to bottom of usable water: 180'  
Surface Pipe by Alternate:  1  2

If OWWO: old well information as follows:  
Operator:  
Well Name:  
Comp. Date: Old Total Depth

Length of Surface Pipe Planned to be set: 350  
Length of Conductor pipe required: none

Projected Total Depth: 4600  
Formation at Total Depth: Mississippian

Water Source for Drilling Operations: creek  
well farm pond other

Directional, Deviated or Horizontal wellbore? yes  no   
If yes, true vertical depth:  
Bottom Hole Location:

DWR Permit #:   
Will Cores Be Taken?: yes no  
If yes, proposed zone:

Exp. 4/21/98

AFFIDAVIT

200' Alt. I Req.

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55-101, et. seq.  
It is agreed that the following minimum

RECEIVED  
STATE CORPORATION COMMISSION

usher Joan  
POD DATE 12-31-97 INIT. SD  
LENGTH SURFACE PLANNED 350 8 5/8  
RESERVE PIT STATUS- REMOVE FLUID LINED  
after salt sect. bbls. when done bbls.  
ATHOLED AHEAD? Y N SIZE HOLE  
URFACE PIPE 8 5/8 @ 355 CONDUCTOR  
NHYDRITE T- 1/4 B- ELEVATION  
D 4450 FORMATION Miss  
450  
AN PIPE @ DV TOOL ALT II DONE  
SX SX Y N  
1 Ar buckle Plug @ TOP Ft. W/ 50 SX SX  
Arg.  
Hug./Council @ Ft. W/ SX  
2 Anhydrite Base @ 660 Ft. W/ SD SX  
1/2 Base Anyh. @ Ft. W/ SX  
1/2, 1/2 Plug @ Ft. W/ SX  
2 Bottom Surface @ 360 Ft. W/ 40 SX OK  
3 40' Plug @ 40-0 Ft. W/ 10 SX OK  
AT HOLE CIRC/W 15 SX MOUSE HOLE W/ 10 SX  
TER WELL NO SX (Irr. Well Ponds)  
CHNICIAN SP DATE 1-09-98 Haying  
PE OF CEMENT 6/4 902 6%  
ARTING TIME 12:45 (AM/PM) DATE 1-11  
MPLETION TIME 1:45 (AM/PM) DATE  
MENT COMPANY Allied