

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

CONFIDENTIAL

Operator: License # 5050
Name: Hummon Corporation
Address: 950 N. Tyler
City/State/Zip: Wichita, Kansas 67212-3240
Purchaser: KGS & NCRA
Operator Contact Person: Kent Roberts
Phone: (316) 773-2300
Contractor: Name: Duke Drilling Co., Inc.
License: 5929

API No. 15 - 033-21069 0000
County: Comanche County, Kansas
NW-SW-NW Sec. 32 Twp. 32 S. R. 18 East West
1650 feet from S / (N) (circle one) Line of Section
330 feet from E / (W) (circle one) Line of Section

Wellsite Geologist: Arden Ratzlaff
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: MAY 16 2000

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Herd Well #: 1
Field Name: Coulter SE
Producing Formation: Marmaton (Altamont)
Elevation: Ground: 2122' Kelly Bushing: 2133'
Total Depth: 5345' Plug Back Total Depth: 5341
Amount of Surface Pipe Set and Cemented at 668 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.

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. _____
04-10-00 04-20-00 04-21-00
Spud Date or 04-20-00 04-21-00
Recompletion Date Date Reached TD Completion Date or
Recompletion Date

Drilling Fluid Management Plan ALT 1 JH 7-11-00
(Data must be collected from the Reserve Pit)
Chloride content 7,000 ppm Fluid volume 1800 bbls
Dewatering method used Haul off free water
Location of fluid disposal if hauled offsite:
Operator Name: KBW Oil & Gas
Lease Name: Harmon SWD License No.: 5993
Quarter _____ Sec. 11 Twp. 33 S. R. 20 East West
County: Comanche Docket No.: CD 98329

MAY 17 2000
STATE OF KANSAS
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

05-17-2000
KCC

CONFIDENTIAL

RELEASED

MAY 29 2001

FROM CONFIDENTIAL

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: Kent Roberts
Title: Lease OPERATIONS Manager Date: 5/16/00
Subscribed and sworn to before me this 16th day of May, 2000.
Notary Public: [Signature]
Date Commission Expires: April 15, 2003

DEBRA K. HILL
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. April 15, 2003

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

Operator Name: **Hummon Corporation** Lease Name: **Herd** Well #: **1**
 Sec. **32** Twp. **32** S. R. **18** East West County: **Comanche County, Kansas**

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

See Attached

List All E. Logs Run:
 Neutron-Density, Dual
 Induction, Mico, Sonic, Cement Bond

CASING RECORD <input 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	# Sacs Used	Type and Percent Additives
Conductor		20"		40'			
Surface	12-1/4"	8-5/8"	24#	668'	Lite Class A	225 100	2%cc 2%cc
Production	7-7/8"	4-1/2"	10.5#	5341'	ASC 60/40 Poz	1.65 25	6%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
2	5116-5122	300 gal 15% MCA	
		3000 gal 20% SGA	
		2000 gal 20% NE/FE	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5094'	5094'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
5/9/00	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio Gravity
	20	925		

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 5116'-5122'
 (If vented, Sumit ACO-18.) Other (Specify)

CONFIDENTIAL

**HUMMON CORPORATION
DAILY DRILLING REPORT**

ORIGINAL

Lease: Herd #1
Spot: NW SW NW
County: Comanche
Contractor: Duke Drilling Company
Geologist: Arden Ratzlaff

Prospect: Coldwater South
Section: 32-T32S-R18W
State: Kansas

Elevation: G.L.= 2118
K.B.= 2129

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Tops	Sample		E- Log	
Heebner	4385	-2256	4387	-2258
Brown Lime	4567	-2438	4565	-2436
Lansing	4582	-2453	4585	-2456
Stark Shale	4903	-2774	4902	-2773
Hushpuckney Sh.	4965	-2836	4964	-2835
Base KC	4990	-2861	4990	-2861
Altamont	5119	-2990	5115	-2986
Pawnee	5164	-3035	5162	-3033
Fort Scott	5197	-3068	5195	-3066
Mississippi	5266	-3137	5266	-3137
Total Depth	5345	-3216	5342	-3213

API # 15-033-21069 - 00-00

DST #1: 5115' - 5134' Altamont. Misrun, hit bridge @ 1400'

DST #2: 5115' - 5134' Altamont. 30-90-60-90. 1st open: Strong blow, Gas to surface in 4 minutes. Gauged 311,000 mcf in 5 minutes.

440,000 10 minutes
493,000 20 minutes
539,000 30 minutes

2nd open: gauged 549,000 mcf in 10 minutes. Stabilized @ 583,000.

Recovered: 125' slightly gas cut mud w/show of oil
60' slightly oil & gas cut mud.

IFP: 147-184
ISIP: 1893
FFP: 185-195
FSIP: 1865
BHT: 116

RELEASED

MAY 29 2001

FROM CONFIDENTIAL

DST #3. 5154' - 5240', Pawnee, Ft. Scott and Cherokee Lime zones.

30-45-30-45. 1st open: Weak blow built to 6 1/2" decreasing to 5".

2nd open: Weak steady 3" blow

Recovered: 550' gas in pipe, 125' gas cut mud

IHP: 2538
FHP: 2463
IFP: 105-124
FFP: 134-145
ISIP: 1535
FSIP: 1476
BHT: 118

RECEIVED

STATE CORPORATION COMMISSION

MAY 17 2000

CONSERVATION DIVISION
Wichita, Kansas

CONFIDENTIAL

**HUMMON CORPORATION
DAILY DRILLING REPORT**

ORIGINAL

15-033-21069-00-00

DST #4: 5290' - 5342' Mississippi. 30-60-60-90.

1st open: Fair blow off bottom of bucket in 5 minutes. GTS in 17 minutes.

Gauged: 50,000 20"

2nd open: Fair blow. Gauged: 61,500 10"

41,600 20"

31,900 30"

26,600 40"

23,700 50"

21,900 60"

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Recovered: 200' of gassy mud w/ show of oil @ SI tool.

IHP: 2561

FHP: 2492

IFP: 86 - 106

FFP: 83-90

ISIP: 1284

FSIP: 990

BHT: 126

RELEASED

MAY 29 2001

FROM CONFIDENTIAL

ALLIED CEMENTING CO., INC.

1100

ORIGINAL
21069-00-00

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

Federal Tax I.D.#
CONFIDENTIAL

SERVICE POINT: 15-033-
Medicine Lodge

DATE <u>4-12-00</u>	SEC. <u>32</u>	TWP. <u>32S</u>	RANGE <u>18W</u>	CALLED OUT <u>11:30 pm</u>	ON LOCATION <u>2:15 AM</u>	JOB START <u>6:10 AM</u>	JOB FINISH <u>6:45 AM</u>
LEASE <u>Herd</u>	WELL# <u>1</u>	LOCATION <u>Coldwater Airport</u>			COUNTY <u>Comanche</u>	STATE <u>KS.</u>	
OLD OR <u>NEW</u> (Circle one)		<u>3/4 & 3/5</u>					

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CONTRACTOR <u>Duke #5</u>	OWNER <u>Hummon Corp.</u>
TYPE OF JOB <u>Surface</u>	CEMENT AMOUNT ORDERED
HOLE SIZE <u>12 1/4</u>	<u>225 sx Lite water + 2% cc + 1/4" Flo seal</u>
CASING SIZE <u>8 7/8 x 24"</u>	<u>100 sx CLASS A + 2% gel + 2% cc</u>
TUBING SIZE	
DRILL PIPE	
TOOL	
PRES. MAX <u>600</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>41</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>41 BBLs freshwater</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Carl Balding</u>	
# <u>261-265</u> HELPER <u>Stane Winsor</u>	
BULK TRUCK	
# <u>254-250</u> DRIVER <u>Dave Felio</u>	
BULK TRUCK	
#	DRIVER

COMMON A <u>100</u>	@ <u>6.35</u>	<u>635.00</u>
POZMIX	@	
GEL <u>2</u>	@ <u>9.50</u>	<u>19.00</u>
CHLORIDE <u>7</u>	@ <u>28.00</u>	<u>196.00</u>
LITEWATE <u>225</u>	@ <u>5.55</u>	<u>1248.75</u>
FLO-SEAL <u>56#</u>	@ <u>1.15</u>	<u>64.40</u>
	@	
	@	
	@	
HANDLING <u>325</u>	@ <u>1.05</u>	<u>341.25</u>
MILEAGE <u>325 x 40</u>	<u>.04</u>	<u>520.00</u>
TOTAL # <u>3024.40</u>		

REMARKS:

SERVICE

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Pipe on bottom, Break circulation.
pump 5 BBLs freshwater
225 sx lite water + 2% cc + 1/4 flo seal
100 sx CLASS A + 2% cc + 2% gel
Release plug + Displace with
41 BBLs Freshwater + Pump plug
Shut IN casing. Cement did circulate

DEPTH OF JOB <u>668'</u>	FROM CONFIDENTIAL
PUMP TRUCK CHARGE <u>0-300'</u>	<u>470.00</u>
EXTRA FOOTAGE <u>368'</u>	@ <u>.43</u> <u>158.24</u>
MILEAGE <u>40</u>	@ <u>3.00</u> <u>120.00</u>
PLUG <u>Rubber 8 5/8"</u>	@ <u>105.00</u> <u>105.00</u>
	@
	@
TOTAL # <u>853.24</u>	

CHARGE TO: Hummon Corporation
STREET 950 N. Tyler
CITY Wichita STATE Ks ZIP 67212

FLOAT EQUIPMENT

<u>1 Baffle plate</u>	@ <u>45.00</u>	<u>45.00</u>
<u>1 Centralizer</u>	@ <u>55.00</u>	<u>55.00</u>
<u>1 Basket</u>	@ <u>180.00</u>	<u>180.00</u>
	@	
	@	
TOTAL # <u>280.00</u>		

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	<u>\$ 4157.64</u>	
DISCOUNT	<u>623.65</u>	IF PAID IN 30 DAYS
	<u>\$ 3533.99</u>	
SIGNATURE	<u>JOE LIVINGSTON</u>	PRINTED NAME

ALLIED CEMENTING CO., INC.

1447

ORIGINAL

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

Federal Tax I.D. # 48-0727860
CONFIDENTIAL

SERVICE POINT:
med. lodge, ks.

DATE <u>4-21-00</u>	SEC <u>31</u>	TWP. <u>32s</u>	RANGE <u>18W</u>	CALLED OUT <u>6:30 A.M.</u>	ON LOCATION <u>12:00 P.M.</u>	JOB START <u>6:00 P.M.</u>	JOB FINISH <u>7:30 P.M.</u>
LEASE <u>Herd</u>		WELL # <u>1</u>	LOCATION <u>Coldwater, Airport 1/8s-</u>		COUNTY <u>Comanche</u>	STATE <u>KS.</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>3/4E-5/5</u>				

KCC

MAY 16 2000

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CONTRACTOR Duke Drig. Co.
TYPE OF JOB Prod. Csg.
HOLE SIZE 7 7/8 T.D. 5340'
CASING SIZE 4 1/2 x 10.5 DEPTH 5356'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1300 MINIMUM 200
MEAS. LINE SHOE JOINT 11'
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 2% KCL water / 8 1/2 Bbls
EQUIPMENT

OWNER Hummon Corp.
CEMENT
AMOUNT ORDERED 500 gals. mod. clean
25sx60/40/6, 165sx. A sct 5# KCL seal
1/4# Flo-Seal.
COMMON 15 @ 6.35 95.25
POZMIX 10 @ 3.25 32.50
GEL 1 @ 9.50 9.50
CHLORIDE @
Clay Pro 9 Gals @ 22.90 206.10
ASC 165 @ 8.20 1353.00
KCL SEAL 825# @ .38 313.50
KCL SEAL 41# @ 1.15 47.15
MOD CLEAN 500 G @ .75 375.00
HANDLING 180 @ 1.05 189.00
MILEAGE 180 X 40 @ .04 288.00

PUMP TRUCK CEMENTER Larry Dreiling
343 HELPER Justin H.
BULK TRUCK
214-314 DRIVER Mike R.
BULK TRUCK
DRIVER

TOTAL \$2909.00

REMARKS:

Pipe on Bottom - Break Circ. Pump
80 Bbls mod w/ 400 scfn²/Bbl. 500 gals
mod. Clean Plug Rathole + mousehole
25sx60/40/6 Cement w/ 165sx. ASC
5# KCL SEAL + 1/4# Flo-Seal per. sx. WASH
out Pump lines Release Plug. Displace
w/ 8 1/2 Bbls. 2% KCL water. Patch Plug
Release PST. Plug-Float Held

SERVICE

DEPTH OF JOB 5341'
PUMP TRUCK CHARGE 1080.00
EXTRA FOOTAGE @
MILEAGE 40 @ 3.00 120.00
PLUG Patch Down @ 300.00 300.00
@
@

TOTAL \$1500.00

CHARGE TO: Hummon Corp.
STREET 950 N. TYLER ROAD
CITY WICHITA STATE KANSAS ZIP 67212

FLOAT EQUIPMENT

1-AFU Float Shoe @ 200.00 200.00
2-Stop Rings @ 20.00 40.00
11-Centralizers @ 45.00 495.00
@
@

TOTAL \$735.00

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 \$ 5144.00
DISCOUNT 514.40 IF PAID IN 30 DAYS
\$ 4629.60
X R. J. Flaker
PRINTED NAME

SIGNATURE X [Signature]

RELEASED

MAY 29 2001

FROM CONFIDENTIAL