

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

Operator: License # 9953  
Name Harris Oil & Gas Company  
Address 1775 Sherman, Suite 2990  
Denver, Co. 80203  
City/State/Zip

Purchaser Texas Trading & Transportation  
Inc.

Operator Contact Person Harold Frauli  
Phone (316) 624-8388

Contractor: License # 6039  
Name L.D. Drilling, Inc.

Wellsite Geologist Peter Moreland  
Phone (303) 573-5222

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If **OWO**: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

10-11-88 Spud Date 10-20-88 Date Reached TD 11-18-88 Completion Date

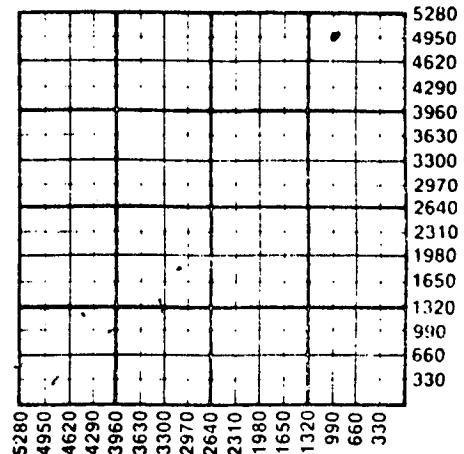
3753! Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 206' feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1426 feet  
If alternate 2 completion, cement circulated from 2733-1426 feet depth to 3560 with 125 SX cmt  
Cement Company Name Halliburton Services  
Invoice # 730178 730430

API NO. 15-051-24,569-00-00  
County ELLIS  
NW... NE... NE... Sec... 11 Twp... 13 Rge... 18 East  
XX West  
4950 Ft North from Southeast Corner of Section  
990 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Dreiling Well # 1-11  
Field Name Ubert  
Producing Formation Arbuckle  
Elevation: Ground 2130 2135 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #  
 Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West  
 Surface Water...Ft North from Southeast Corner (Stream, pond etc)...Ft West from Southeast Corner Sec Twp Rge East West  
 Other (explain) water hauled in (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 W.G. Harris  
Title President Date 1-11-89

Subscribed and sworn to before me this 12th day of Jan 1989.  
Notary Public Kathleen A. Cowan

Date Commission Expires My Commission expires February 23, 1991

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)  
1-17-89 (4)

Sec. 11, Twp. 13, Rge. 18

Operator Name ..... HARRIS OIL & GAS COMPANY ..... Lease Name..... DREILING..... Well #..1-11..

Sec..... 11..... Twp..... 13S..... Rge..... 18.....  East  West

County..... ELLIS.....

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MAR 07 1990

WELL LOG

FROM CONFIDENTIAL

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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

See Attached Page for DST Information

Name	Top	Bottom
Cedar Hills	852	(+1283)
Anhydrite	1385	(+ 750)
Topeka	3134	(- 999)
Heebner	3372	(-1237)
Toronto	3391	(-1256)
Lansing	3421	(-1286)
Bs. Ks. City	3652	(-1517)
Arbuckle	3667	(-1532)

CASING RECORD  New  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"	20#	206'	60/40	140	2% Gal, 3% CC
Production	7 7/8"	4 1/2"	10.5#	3749'	Class A pozmix	125	6/10 1% Halad

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4SPF	3678-3684	1250 Gal. FE Acid	
4SPF	3684-3690	3000 Gal. gelled MOD 202 Acid w/40 ball sealers	
2SPF	3690-3701	2000 Gal. 20% FE Acid w/85 ball sealers	

TUBING RECORD Size 2 3/8 Set At 3906 Packer at 3724 Liner Run  Yes  No

Date of First Production 11/18/88 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	23 bbls	-0- MCF	90 Bbls	-0- CFPB	36°

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Solid  Other (Specify) ..... Arbuckle.....  Used on Lease  Dually Completed  Conmingled

DST Results

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FROM CONFIDENTIAL

DST #1 Lansing "G" Zone 3508-3524 30-45-30-45  
IF Weak blow died in 10 min.  
2F No blow  
FF 12' mud, no show of oil

IH 1776# BHT 107° F  
IF 20-22#  
ISI 476#  
FF 24-26#  
FSI 365#  
FH 1753#

DST #2 Arbuckle 3660-3685 30-45-30-45  
IF Weak blow died in 8 min.  
2F no blow  
FF 10' mud with a few oil specks

IH 1912 BHT 109° F  
IF 62-62  
ISI 87  
FF 64-64  
FSI 70  
FH 1874

DST #3 Arbuckle 3681-3701 30-45-35-45  
IF Weak blow 1-1/4"  
2F Very Weak blow throughout  
FF 60' mud with a few oil specks

IH 1946 BHT 109° F  
IF 36-39  
ISI 1030  
FF 46-47  
FSI 988  
FH 1918

DST #4 Arbuckle 3681-3706 30-45-60-60  
IF Fair blow 2-1/2"  
2F Fair blow 2"  
FF 80' thin drilling mud with some oil specks throughout (Chlorides 26,000 ppm)

IH 1952 BHT 109 F  
IF 32-34  
ISI 1028  
FF 38-42  
FSI 983  
FH 1926

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JAN 17 1989  
CONSERVATION DIVISION  
Wichita, Kansas

all plugged wells. Submit CP-111 form with ...

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 ..... *W.G. Harris III* .....  
Title ..... *President* ..... Date ..... *1-11-89* .....

Subscribed and sworn to before me this *12<sup>th</sup>* day of *Jan* 19*89*.  
Notary Public ..... *Kathleen A. Covan* .....  
Date Commission Expires *My Commission expires February 23, 1991*

K.C.C. OFFICE USE ONLY		
<input checked="" type="checkbox"/>	Letter of Confidentiality Attached	
<input checked="" type="checkbox"/>	Wireline Log Received	
<input type="checkbox"/>	Drillers Timelog Received	
Distribution		
<input type="checkbox"/>	KCC	SWD/Rep
<input checked="" type="checkbox"/>	KGS	Plug
<input type="checkbox"/>		NGPA
<input type="checkbox"/>		Other
(Specify)		

sec 11, Twp 13, Rge 18, W

KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH  
JAN 18 1989

11/23/88	Pumped 12.67 BO, 60 BW.
11/24/88	Pumped 9.69 BO, 58.45 BW.
11/25/88	Pumped 8.95 BO, 58.45 BW.
11/26/88	Pumped 6.71 BO, 58.45 BW.
11/27/88	Pumped 8.20 BO, 58.45 BW.
11/28/88	Pumped 9.70 BO, 58.45 BW.
11/29/88	Pumped 8.95 BO, 58.45 BW.
11/30/88	Pumped 8.20 BO, 54.93 BW.
12/1/88	Pumped 8.95 BO, 55.11 BW.
12/2/88	Pumped 8.20 BO, 55.11 BW.
12/3/88	Pumped 6.71 BO, 54.95 BW.
12/4/88	Pumped 7.45 BO, 58.45 BW.
12/5/88	Pumped 6.71 BO, 50 BW.
12/6/88	Pumped 7.45 BO, 56.78 BW.
12/7/88	Pumped 5.22 BO, 51.77 BW.
12/8/88	Pumped 4.47 BO, 55.11 BW
12/9/88	Pumped 8.95 BO, 55 BW
12/10/88	Pumped 5.22 BO, 54.28 BW
12/11/88	Pumped 5.22 BO, 51.77 BW
12/12/88	Pumped 5.96 BO, 53.44 BW
12/13/88	Pumped 5.96 BO, 53.44 BW
12/14/88	Pumped 6.96 BO, 55.00 BW
12/15/88	Pumped 6.96 BO, 54.28 BW
12/16/88	Pumped 5.22 BO, 52 BW
12/17/88	Pumped 5.22 BO, 52 BW
12/18/88	Pumped 5.22 BO, 52 BW
01/20/89	MIRU. TOOH w/rods & tbg, Rn BP & shifter tool, set BP @ 1534'. Press to 1100#, Held okay. Spot 1 sx sand on BP, open FO tool @ 1426'. Estab injection rate 3 BPM @ 500#, csg circulated w/10 bbls pumped, cmt tops stage w/325 sx Howco lite w/2% cc & 1/4# Flocele. Cmt circulated, displaced cmt, closed FO tool, press to 1000#, held okay, circ hole clean. TOOH w/shifting tool, Rn retrieving head, circ sand off BP, latched onto BP. Pulled 1 jt. SDFN. @ 7:30 AM preparing to pull BP & run tbg & rods.
01/21/89	Fished BP & rn tbg & rods same as before. Hung on, put pumping unit on line. Press to 300# on tbg w/pumping ut-Held okay. RD & release rig.
01/25/89	Chngd out pumping unit. Set Churchill 80 w/Gemini engine. Set 210 gun barrell, 2-200 bbl. Stock tanks & 210 water tank. Preparing to lay flo lines

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FEB 15 1989

CONSERVATION DIVISION  
Wichita, Kansas

*See attached  
770001 ees*

CUSTOMER COPY

**INVOICE  
INVOICE**



A DIVISION OF HALLIBURTON COMPANY

REMIT TO:  
P.O. BOX 651046  
DALLAS, TX 75265

INVOICE NO.	DATE
730430	01/20/1989

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER	
DREILING 1-11		ELLIS		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
HAYS		EXPRESS		TOP OUTSIDE PRODUCTION CASING		01/20/1989
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA		FILE NO.
366550	LARRY G. BENEDICK			COMPANY TRUCK		70827

HARRIS OIL & GAS CO  
1775 SHERMAN STREET  
SUITE 2990  
DENVER, CO 80203

DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	7	MI	2.20	15.40 *
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	1408	FT	838.20	838.20 *
		1	UNT		
504-118	HALLIBURTON LIGHT CEMENT -PREM	325	SK	4.92	1,599.00 *
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	25.75	128.75 *
507-210	FLOCELE	81	LB	1.21	98.01 *
510-222	SACKED SAND 20/40 & SMALLER	1	SK	7.95	7.95 *
500-207	BULK SERVICE CHARGE	336	CFT	.95	319.20 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	100.996	TMI	.70	70.70 *
INVOICE SUBTOTAL					3,077.21
DISCOUNT-(HID)					461.57-
INVOICE BID AMOUNT					2,615.64
*-KANSAS STATE SALES TAX					104.35
*-HAYS CITY SALES TAX					13.06
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,733.05

*T. Maw*  
*Frederick*

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FEB 15 1989

CONSERVATION DIVISION  
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

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INVOICE  
INVOICE



A DIVISION OF HALLIBURTON COMPANY

REMIT TO:  
P.O. BOX 651046  
DALLAS, TX 75265

INVOICE NO.	DATE
730431	01/20/1989

WELL LEASE NO.		WELL LOCATION		STATE	WELL OWNER
DREILING 1-11		ELLIS		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
HAYS	EXPRESS	TOOL SERVICE			01/20/1989
AOCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
366550	LARRY G. BENEDICK			COMPANY TRUCK	70827

HARRIS OIL & GAS CO  
1775 SHERMAN STREET  
SUITE 2990  
DENVER, CO 80203

DIRECT CORRESPONDENCE TO:  
SUITE 600  
COLORADO DERBY BUILDING  
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
100-115	MILEAGE - TOOLMAN	7	MI	1.00	7.00 *
		1	UNT		
110-007	RETRIEVABLE BRIDGE PLUG	1520	FT	980.00	980.00 *
		4 1/2	IN		
116-228	STRIPPER TYPE HEAD	1	EA	130.00	130.00 *
116-436	FO CMTR OPEN/CLOSE POSITIONER	1	EA	155.00	155.00 *
INVOICE SUBTOTAL					1,272.00
DISCOUNT-(BID)					190.80-
INVOICE BID AMOUNT					1,081.20
*-KANSAS STATE SALES TAX					43.25
*-HAYS CITY SALES TAX					5.41
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,129.86

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Wichita, Kansas

*Thaw  
Away*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.