

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

**CONFIDENTIAL**

**ORIGINAL**

API NO. 15- 175-21344 0001  
County Seward  
C NE SW Sec. 33 Twp. 33 Rge. 31 X W

Operator: License # 30444

Name: Charter Production Company

Address 142 N. Mosley

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Jerald Rains

Phone ( 316 ) 263-4906

Contractor: Name: \_\_\_\_\_

License: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion

\_\_\_\_ New Well \_\_\_\_ Re-Entry X Workover

X Oil \_\_\_\_ SWD \_\_\_\_ S1OW \_\_\_\_ Temp. Abd.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Charter Production Company

Well Name: Harris A #1

Comp. Date 12-6-93 Old Total Depth 6068'

\_\_\_\_ Deepening X Re-perf. X Conv. to Inj/SWD  
\_\_\_\_ Plug Back \_\_\_\_ PBTB  
\_\_\_\_ Commingled \_\_\_\_ Docket No. \_\_\_\_  
\_\_\_\_ Dual Completion \_\_\_\_ Docket No. \_\_\_\_  
\_\_\_\_ Other (SWD or Inj?) \_\_\_\_ Docket No. \_\_\_\_

2-15-94 3-8-94  
Date OF START OF WORKOVER Date Reached TD Completion Date OF WORKOVER

1980 Feet from SN (circle one) Line of Section

3300 Feet from EW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Harris Well # 1

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 2679' KB 2690'

Total Depth 6068' PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 1530 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 REWORK 10-27-94  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite:

**RELEASED**

Operator Name \_\_\_\_\_ **KCC**

Lease Name JUL 26 1995 License No. JUN 13

\_\_\_\_ Quarter Sec. Twp. S Rge. E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

**FROM CONFIDENTIAL CONFIDENTIAL**

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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.

Signature Jerry W. Davis

Title Operations Manager Date 6/13/94

Subscribed and sworn to before me this 13<sup>th</sup> day of June, 1994.

Notary Public Nancy Kandt

Date Commission Expires 2/4/96

**NANCY KANDT  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. Feb. 4, 1996**

**RECEIVED**  
STATE CORPORATION COMMISSION  
**JUN 15 1994**  
K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  
 KGS  Plug  
Wichita, Kansas  
(Specify)

Operator Name Charter Production Company Lesse Name Harris "A" Well # 1

Sec. 33 Twp. 33 Rge. 31  East  West County Seward

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 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No (Submit Copy.)

List All E.Logs Run:

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
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PLEASE KEEP ALL INFORMATION CONFIDENTIAL

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"	20	1530'	Premium Premium Lite	150 580	175 lbs Flocele 2% CaCl <sub>2</sub>
Production	7 7/8	5 1/2"	15.5	6061'	Premium	105	5 SKS EA-2

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
		SEE ATTACHED	
	NOTCHES → 4 (EACH ONE 90° OF ARC) 5742' - 5744'		
4	5758' - 5766'		

TUBING RECORD Size " 2 3/8 Set At 5730' Packer At 5718' Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	35				

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

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

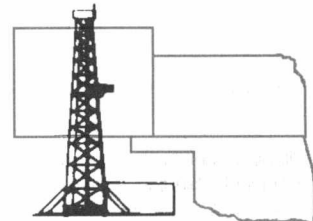
Production Interval 5742' - 5744'

CHARTER PRODUCTION COMPANY  
142 North Mosley  
Wichita, Kansas 67202

Robert C. Spurlock  
Paul M. Gerlach

CONFIDENTIAL

ORIGINAL



Telephone (316) 263-4906  
FAX (316) 264-7130

Harris #1 Rework      API# 15-175-21344

Acid, Fracture, Shot, Cement Record

(Amount and Kind of Material Used)	Depth
250 gals Xylene	5758'-66'
250 gals 10% MSA acid	5758'-66'
500 gals 15% DSFE acid	5758'-66'
500 gals 7 1/2% FE acid	5741'-46'
Squeezed perms to 2000#	5741'-46'
500 gals 7 1/2% FE acid	5742'-44'
1500 gals 7 1/2 FE acid	5742'-44'
Fraced with 16950 gals of Boragel	5742'-44'

**PLEASE KEEP ALL INFORMATION CONFIDENTIAL.**

KCC

JUN 13

CONFIDENTIAL

RELEASED

JUL 26 1995

FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COM

JUN 15 1994

CONSERVATION DIVISION  
Wichita, Kansas

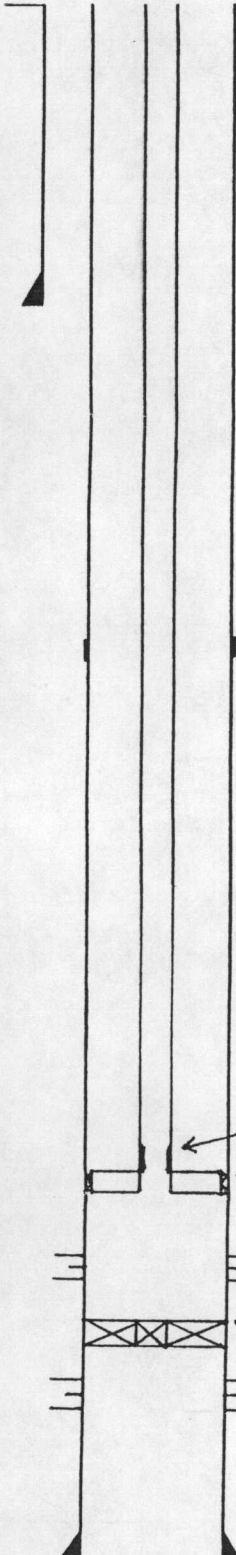
CHARTER PRODUCTION CO (WORKOVER)  
WELL COMPLETION WORKSHEET

API# 15-175-21344

Date	3/12/94
State	KS

LEASE HARRIS	Well No. A#1	Location C NE SW Sec 33-33S-31W	County Seward			
WELLHEAD Huber: 8 5/8x5 1/2; 5 1/2x2 3/8 A7S						
STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	
SURFACE	8 5/8	1530				
PROD	5 1/2	6061	J-new	LT&C	15.5	DV 150 sxs 105 sxs EA-2
RODS	SEE ROD DETAIL					
TUBING	2 3/8	5730	J-used	EUE	4.7	176 jts

KB- 2690  
GL- 2679



← 8 5/8 Csg @ 1530'

ORIGINAL

2320' Top of Cmt

ROD DETAIL

- 1 1/4"x22' Polish Rod (10' lnr)
- 72 - 7/8" Rods WCN D78, scrapers
- 156 - 3/4" Rods, WCN D78
- 2"x1 1/2"x16' RWBC/SV Pump (102")

TUBING DETAIL

- KB Corr 7.5
- Tbg Tension (18"/10,000#) 1.5
- 176 jts 2 3/8" EUE Tubing 5717.2
- SN (1.78" ID) 1.1
- 5 1/2x2 3/8 Tbg Anchor 2.8
- Bottom of Tbg String @ 5730.1'

← 3446' DV Tool w/150 sxs

5250' Top of Cmt

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← 5726' SN (1.78" ID)

← 5730' Tbg Anchor (18"/10,000# tension)

← 5742-44' Morrow (4-90° HydroJet Slots)

← 5741-46' Morrow Perfs (Sqzd to 2000# w/150 sxs cmt 2/23/94)

← 5754' EZ DRILL SV Cmt Rtnr

← 5758-66' Chester Perfs (4SPF) (100 sxs cmt on 1 BPM vacuum 2/18/94)

← 6061' 5 1/2 Csg w/105 sxs

RECEIVED  
STATE CORPORATION COMMISSION

JUN 15 1994

REGISTRATION DIVISION  
Wichita, Kansas

REVISED - WORKOVER

Rm 3/12/94

PBTD- 5754'  
TD- 6080'

CUSTOMER COPY



HALLIBURTON

REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

ORIGINAL

CONFIDENTIAL

INVOICE NO.	DATE
575202	02/18/1994

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
HARRIS "A" 1	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	PRATT WELL SERVICE	SQUEEZE PERFORATIONS	02/18/1994		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
155799	ROBERT MOOREHEAD			COMPANY TRUCK	64495

DIRECT CORRESPONDENCE TO:

CHARTER PRODUCTION  
224 E. DOUGLAS, SUITE 400  
WICHITA, KS 67202

OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	20	MI	2.75	55.00
		1	UNT		
009-134	CEMENT SQUEEZE	5755	FT	1,950.00	1,950.00
009-019		1	UNT		
218-807	XYLENE/OTHER AROMATIC SOLVENTS	500	GAL	3.30	1,650.00
207-001	FE ACID	7	1/2 %	.98	490.00
201-004		500	GAL		
210-002	HAI-60	1	GAL	24.00	24.00
218-738	CLAYFIX II	11	GAL	24.00	264.00
218-703	LOSURF 300	4	GAL	26.50	106.00
218-745	CLA-STA XP	4	GAL	31.00	124.00
504-043	CEMENT - PREMIUM	100	SK	9.44	944.00
500-207	BULK SERVICE CHARGE	100	CFT	1.35	135.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	216.20	TMI	.95	205.39

INVOICE SUBTOTAL

5,947.39

DISCOUNT-(BID)

1,074.34-

INVOICE BID AMOUNT

4,873.05

\*--KANSAS STATE SALES TAX

47.20

\*--SEWARD COUNTY SALES TAX

9.63

9002-08

AK

KCC

JUN 13

CONFIDENTIAL

RELEASED

JUL 26 1995

FROM CONFIDENTIAL

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \*\*\*\*\* > \$4,929.88

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never

CUSTOMER COPY



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

ORIGINAL

INVOICE NO.	DATE
574821	02/23/1994

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
HARRIS A 1	SEWARD	KS	CHARTER PRODUCTION		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL	N/A	SQUEEZE PERFORATIONS	02/23/1994		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
155799	ROBERT MOOREHEAD			COMPANY TRUCK	64719

CHARTER PRODUCTION  
224 E. DOUGLAS, SUITE 400  
WICHITA, KS 67202

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		2.75	110.00
		2 UNT			
009-019	PLUGGING BK SPOT CEMENT OR MUD	5741 FT		1,950.00	1,950.00
		1 UNT			
200-130	DELIVERY CHARGE (SMALL UNIT)	4 HR		35.00	140.00
		1 UNT			
158-102	FLO-CHEK 11 CHEMICAL-PER GALLO	500 GAL		2.25	1,125.00
218-738	CLAYFIX II	1 GAL		24.00	24.00
504-043	CEMENT - PREMIUM	100 SK		9.44	944.00
504-211	CEMENT MICRO MATRIX SACK	50 SK		17.50	875.00
507-775	HALAD-322	72 LB		7.00	504.00
500-876	DELIVERY CHARGE - SMALL UNIT	49 MI		2.75	134.75
500-210	MICRO MATRIX HANDLING CHARGE	1 JOB		650.00	650.00
507-970	D-AIR 1, POWDER	13 LB		3.25	42.25
509-968	SALT	358 LB		.13	46.54
509-406	ANHYDROUS CALCIUM CHLORIDE	2 SK		28.25	56.50
500-207	BULK SERVICE CHARGE	105 CFT		1.35	141.75
500-306	MILEAGE CMTG MAT DEL OR RETURN	240.223 TMI		.95	228.21

INVOICE SUBTOTAL

RELEASED

KCC

JUN 13

6,972.00

DISCOUNT-(BID)

JUL 26 1995

CONFIDENTIAL

1,742.97-

INVOICE BID AMOUNT

FROM CONFIDENTIAL

5,229.03

\*-KANSAS STATE SALES TAX

207.14

\*-SEWARD COUNTY SALES TAX

42.28

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> \$5,478.45

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer