

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

**CONFIDENTIAL**

Operator: License # 9953

Name: Harris Oil and Gas Company

Address 1125 Seventeenth Street  
Suite 2290

City/State/Zip Denver, CO 80202

Purchaser: Duke Energy Services

Operator Contact Person: Doug Hoisington

Phone ( 303 ) 293-8838

Contractor: Name: Allen Drilling Company

License: 5418

Wellsite Geologist: Dan Sommer

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/Re-Entry: old well info as follows:

Operator: KCC

Well Name: MAR 02 1999

Comp. Date 12/20/98 Old Total Depth 1/3/99

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

12/20/98 1/3/99 1/24/99  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-215760000

County Morton

NE-SW-NE Sec. 15 Twp. 32S Rge. 40 X W

1650 Feet from SN (circle one) Line of Section

1650 Feet from EW (circle one) Line of Section

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

Lease Name Breeding Well # 1-715

Field Name Kinsler

Producing Formation Morrow

Elevation: Ground 3329 KB 3340

Total Depth 5700' PBD 5496'

Amount of Surface Pipe Set and Cemented at 1705 Feet

Multiple Stage Cementing Collar Used? Yes  No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH. 1.3-22-99 U.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 500 bbls

Dewatering method used Air Evaporation

Location of fluid disposal if hauled offsite: N/A

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

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

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

STATE CORPORATION COMMISSION  
RECEIVED  
MAR 5 1999  
WICHITA, KANSAS

**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 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 Doug Hoisington

Title Operations Manager Date \_\_\_\_\_

Subscribed and sworn to before me this 2 day of March, 1999.

Notary Public Sammy W. Adams

Date Commission Expires March 31, 2001

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
**RELEASED**  
Distribution  
\_\_\_\_ KCC \_\_\_\_\_ SWD/R  
\_\_\_\_ KGS \_\_\_\_\_ Plug  
MAR 02 2000  
(Specify)  
**FROM CONFIDENTIAL**

CONFIDENTIAL

SIDE TWO

ORIGINAL

Operator Name Harris Oil and Gas Company Lease Name Breeding Well # 1-715

Sec. 15 Twp. 32S Rge. 40  East  West County Morton

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:  
**CNS/PDS  
DIS  
MLS  
CBL**

Log Formation (Top), Depth and Datums  Sample  
Name Top Datum  
**See Attached**  
**KCC**  
**MAR 02 1999**  
**CONFIDENTIAL**

CASING RECORD <input type="checkbox"/> New <input checked="" 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#	1705'	Prem. Plus	480	3% CaCl 1/4# Flocele
Production	7 7/8"	4 1/2"	10.5#	5579'	50/50 POZ MIX	150	2% gel, 10% Salt, 7# EA-2, 6% 322

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
4	5336'-5350'	1000 gal 60 Q N <sub>2</sub> 7 1/2% MCA	5336-5350'
		25,000 gal 70 Q CO <sub>2</sub>	5336-5350'
		50,000# 20/40 Sand	<b>RELEASED</b>

TUBING RECORD Size 2 3/8" Set At 5290' Packer At 5290' Liner Run  Yes  No **MAR 02 2000**

Date of First, Resumed Production, SWD or Inj. SI WOPL Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)  
Estimated Production Per 24 Hours Oil 0 Bbls. Gas 763 Mcf Water 0 Bbls. Gas-Oil Ratio N/A Gravity N/A

Disposition of Gas: METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled Morrow  
 Other (Specify) \_\_\_\_\_

ORIGINAL

CONFIDENTIAL

KCC

MAR 02 1999

CONFIDENTIAL

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SAMPLE TOPS		DATUM
Waubunsee*	2978'	+362
Topeka*	3272'	+68
Topeka "B" $\phi$ *	3312'	+28
Heebner	3678'	-338
Lansing	3784'	-444

SAMPLE TOPS		DATUM
Lansing "F" $\phi$	3994'	-654
Kansas City	4156'	-816
Marmaton	4424'	-1084
Marmaton $\phi$	4536'	-1196
Morrow	5012'	-1672
Chester	5492'	-2152
Ste. Genevieve	5538'	-2198
St. Louis	5626'	-2286

RELEASED

MAR 02 2000

FROM CONFIDENTIAL



HALLIBURTON

HALLIBURTON ENERGY SERVICES

1905-0

CHARGE TO

Harris Oil & Gas Co

ADDRESS

Petroleum management P.O. Box 976

CITY, STATE, ZIP CODE

Liberal KS 67905

ORIGINAL CONFIDENTIAL

ACO-1 COPY No.

384554 - 5

PAGE 1 OF 2

SERVICE LOCATIONS 1. 025540	WELL/PROJECT NO. 1-715	LEASE Breeding	COUNTY/PARISH Morton	STATE KS	CITY/OFFSHORE LOCATION S Richfield	DATE 1-8-98	OWNER Same
2. 025535	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Allen Drlys	RIG NAME/NO. 2	SHIPPED YES	DELIVERED TO Well Site	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO. 15129218760000	WELL LOCATION land	15-825-40W	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS	KCC				

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY		UNIT		PRICE	AMOUNT
			LOC	ACCT	DR		QTY	UM	QTY	UM		
035	000-117	RELEASED	1		40	MILEAGE	52	ME	RT	3	65	189 80
	000-119		1		40	Crew mileage	52	ME	RT	2	15	111 80
	001-016	MAR 02 2000	1		40	Pump Charge	5581	ST	6	HR	2422 00	2422 00
	045-050	FROM CONFIDENTIAL	1		75	Portable Data Acquisition	1	Job	1	EA	760 00	760 00
	018-317		1		40	Super Flush	10	YK	10	EA	112 00	1120 00
	018-303		1		40	Clay Silt	8	Gal	8	EA	33 95	271 60
	12A	8253201	1		25	Guide Shoe	4 1/2	in	1	EA	105 00	105 00
	24A	815.19101	1		25	Insert Float	4 1/2	in	1	EA	110 00	110 00
	27	815.19111	1		25	Fill Tube	1	in	1	EA	60 00	60 00
	40	806.60004	1		25	Centralizers	4 1/2	in	6	EA	59 00	354 00
	030-016		1		40	Swiper plug	4 1/2	in	1	EA	50 00	50 00
	350	890.10802	1		26	Weld - A	1	Job	1	EA	18 43	18 43

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

TYPE LOCK	Wichita, Kans	SUB SURFACE SAFETY VALVE WAS:	PAGE TOTAL	5572
BEAN SIZE	KCC	<input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN	FROM CONTINUATION PAGE(S)	3039
DEPTH	0 - 1999	TYPE OF EQUALIZING SUB.	TUBING SIZE	TUBING PRESSURE
SPACERS	CONFIDENTIAL	FREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

DATE SIGNED: [Signature]

TIME SIGNED: [ ] A.M. [ ] P.M.

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) RJ Discher

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) [Signature]

HALLIBURTON OPERATOR/ENGINEER O. Mc Lane

EMP # C3601

HALLIBURTON APPROVAL [Signature]

ORIGINAL



HALLIBURTON

CONFIDENTIAL TICKET CONTINUATION ORIGINAL

TICKET NO. 384554

HALLIBURTON ENERGY SERVICES

CUSTOMER: Harris Oil & Gas

WELL BREEDING 1-715

4:05 AM 1/8/99

PAGE 2 OF 2

TRUCK# (S)	52276-7649	PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCT	DE	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		504-131		Z	40	Premium 50/50Poz	150	sk			\$10.27	\$1,540.50
		506-121		Z	40	Halliburton Gel @2%	3	sk				N/C
		509-968		Z	40	Salt	759	lb.			\$0.18	\$136.62
		507-775		Z	40	HALAD-322	76	lb.			\$7.70	\$585.20
		508-127		Z	40	EA-2	9	sk			\$28.00	\$252.00
		500-207		Z	40	SERVICE CHARGE						
		500-306		Z	40	MILEAGE CHARGE						
							TOTAL WEIGHT	14,635	LOADED MILES	26	TON MILES	190.255
							CUBIC FEET	173			1.66	\$287.18
											1.25	\$237.88

RELEASED  
 MAR 02 2000  
 FROM CONFIDENTIAL  
 KCC  
 MAR 02 1999  
 CONFIDENTIAL

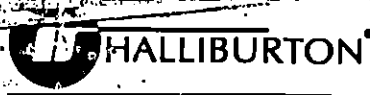
RECEIVED  
 STATE OF KANSAS  
 CONSERVATION DIVISION  
 WICHITA, KANSAS  
 MAR 5 1999

CONTINUATION TOTAL \$ 3,039.32

No. B 330395

ORIGINAL





CONFIDENTIAL

JOB LOG

ORDER NO. 70006

TICKET #	384554	TICKET DATE	1-8-98
BDA / STATE	KS	COUNTY	McPherson
PSL DEPARTMENT	ZE	<b>ORIGINAL</b>	
CUSTOMER REP / PHONE			
API / UWI #	15129215760000		
JOB PURPOSE CODE	033		

REGION	North America	NWA/COUNTRY	Mid Continent
MBU ID / EMP #	MCH1001 G3601	EMPLOYEE NAME	D. McKane
LOCATION	Liberal	COMPANY	Harris Oil & Gas
TICKET AMOUNT	8611.95	WELL TYPE	G1
WELL LOCATION	Land	DEPARTMENT	ZE
LEASE / WELL #	Breeding 1-715	SEC / TWP / RNG	15 32S 40 W

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
D. McKane G3601	10						
S. Tate E0568	10						
P. Jullk J0763	10						
J. Bunch M5870	10						

MAR 02 2000

CONFIDENTIAL

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0600							Job ready
	0200							Called for Job
	0530							on location rig laying down D.P.
	0754							Set up pump truck
	0800							D.P. out of hole
	1000							Rig up Csg Crew
	1257							Start Running Csg & Float Equip.
	1300							Csg on bottom
	1303							Hook up PIC & Circulating Iron
	1330							Start Circulating
	1332							then Circulating
								Hook up to pump truck
								Job Procedure 4 1/2 L.S.
	1334					9/3000		Pressure test lines
	1335	3.5	8			9/100		Start Fresh water
	1337	4.0	10			100		Start Super Flush
	1340	4.0	8			100		Start Fresh water
	1342	5.5	36			100/100		Start Cement @ 14.2#
	1350							then mixing Cement
	1352							Shut down & Release Plug
	1353							Wash up pumps & lines
	1356	6	88			9/150		Start Displacement
	1406					17/200		Displacement Caught Cement
	1407	3				25/200		Slow down rate
	1416					500/1000		Plug Landed
	1411							Release Seal
								Start

RELEASED

MAR 02 2000

FROM CONFIDENTIAL

CONSERVATION DIVISION Wichita, Kansas

TRAIN - E UNIT

RECEIVED

Thank You For Calling Halliburton  
Denny & Sunny & Crew



HALLIBURTON ENERGY SERVICES

1908-Q

CHARGE TO: Harris Oil & Gas  
 ADDRESS: 1125 17th st. ste 2290  
 CITY, STATE, ZIP CODE: Denver, Co. 80202

ORIGINAL - DUPLICATE COPY TICKET

ACO-1 COPY

ORIGINAL 476 - 4

PAGE 1 OF 2

SERVICE LOCATIONS 1. <u>Liberal</u> 2. <u>Hagaton</u> 3. 4.	WELL/PROJECT NO. <u>1-715</u>	LEASE <u>Breeding</u>	COUNTY/PARISH <u>Morton</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>12-21-98</u>	OWNER <u>Same</u>
TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input checked="" type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Allen</u>	RIG NAME/NO. <u>#2</u>	SHIPPED VIA <u>well site</u>	DELIVERED TO	ORDER NO.	
WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO. <u>15129215760000</u>	WELL LOCATION <u>15-325-40W</u>			
REFERRAL LOCATION	INVOICE INSTRUCTIONS	<b>CONFIDENTIAL KCC</b>					

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MAR 02 1999		MAR - 5 1999		UNIT PRICE	AMOUNT
			LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
	<u>000-117</u>		<u>1</u>		<u>50</u>	MILEAGE	<u>52 mi</u>	<u>1 unit</u>			<u>3.65</u>	<u>189.80</u>
	<u>000-119</u>		<u>1</u>		<u>50</u>	crew mileage	<u>52 mi</u>	<u>1 unit</u>			<u>2.15</u>	<u>111.80</u>
	<u>001-016</u>		<u>1</u>		<u>50</u>	pump charge	<u>1706 ft</u>	<u>6 hr</u>			<u>1630.00</u>	<u>1630.00</u>
	<u>045-050</u>		<u>1</u>		<u>50</u>	Data Acquisition	<u>1 job</u>	<u>1 day</u>			<u>760.00</u>	<u>760.00</u>
	<u>12A</u>	<u>825.217</u>	<u>1</u>		<u>42</u>	Reg Guide Shoe	<u>8 7/8 in</u>	<u>1 eq</u>			<u>238.00</u>	<u>238.00</u>
	<u>24A</u>	<u>815.19502</u>	<u>1</u>		<u>42</u>	insert float valve		<u>1 eq</u>			<u>207.00</u>	<u>207.00</u>
	<u>27</u>	<u>815.19415</u>	<u>1</u>		<u>42</u>	fill tube		<u>1 eq</u>			<u>81.00</u>	<u>81.00</u>
	<u>41</u>	<u>806.61048</u>	<u>1</u>		<u>42</u>	5-4 Centralizers		<u>4 eq</u>			<u>71.40</u>	<u>285.60</u>
	<u>320</u>	<u>806.71460</u>	<u>1</u>		<u>42</u>	Basket		<u>1 eq</u>			<u>146.00</u>	<u>146.00</u>
	<u>350</u>	<u>890.10802</u>	<u>1</u>		<u>42</u>	Weld-A		<u>1 lb</u>			<u>18.43</u>	<u>18.43</u>
	<u>030-018</u>		<u>1</u>		<u>50</u>	5-w Top Plug		<u>1 eq</u>			<u>143.00</u>	<u>143.00</u>
	<u>001-018</u>	<b>RELEASED</b>	<u>1</u>		<u>50</u>	add hrs		<u>3 hr</u>			<u>376.00</u>	<u>752.00</u>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

x [Signature]  
 DATE SIGNED: 12-21-98

TIME SIGNED: 0800  
 A.M.  P.M.

TYPE LOCK	CONSERVATION DIVISION SUB SURFACE SAFETY VALVE WAS: Wichita, Kansas		
BEAN SIZE	<input type="checkbox"/> PULLED & RETURN	<input type="checkbox"/> PULLED	<input type="checkbox"/> RUN
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
SPACERS	TREE CONNECTION	TYPE VALVE	

PAGE TOTAL: 4562.63  
 FROM CONTINUATION PAGE(S): 11323.67  
 SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 15886.30

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) <u>TJ Disker</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>[Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>Nick Karbe</u>	EMP # <u>H3115</u>	HALLIBURTON PERSON <u>[Signature]</u>
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**JOB LOG**

ORDER NO. 70005

TICKET #	384476	TICKET DATE	12-21-98
BDA / STATE	Ks	COUNTY	Morton
PSL DEPARTMENT	Z / ORIGINAL		
CUSTOMER REP / PHONE	Doug Haisington		
API / UWI #	15 129815760000		
JOB PURPOSE CODE	010		

REGION	North America	NWA/COUNTRY	MidCont USA
MBU ID / EMP #	MCL10110 H3115	EMPLOYEE NAME	Nick Korbe
LOCATION	Liberia	COMPANY	Harris Oil & Gas
TICKET AMOUNT	\$15,886.30	WELL TYPE	02
WELL LOCATION		DEPARTMENT	Cement
LEASE / WELL #	Breeding 1-715	SEC / TWP / RNG	15-325-40W

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
N. Korbe H3115 11	R. Anderson C8213 11		
S. Raines H3377 11			
P. Cole M6960 11			
D. Falk J0763 11			

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0100							called out
	0600							o/las Hold safety mtg set up tubes
								rig d/lg
	1050							ST F.E. Drop Bull Break circ
								CONFIDENTIAL
								3000 Test lines
	1337	5.5	0					st L. Cement 380skts @ 11.1"
	1404	5.5	28/0					st T cement 100skts @ 14.8"
	1419	5.5	24					end cement
	1421							rel. plug
	1423	5	0					st. disp
	1428	3/6	23/30					catch cement ran out of wtr switched to mud
	1444	2	9.5					slow rate
	1450		107.5					250 Bump plug did not bump & 6.5 bbl over
								rel. plug float held
								circ @ 40 bbl cement to pit.

RELEASED  
MAR 02 2000

FROM CONFIDENTIAL

RECEIVED  
CONSERVATION DIVISION  
Wichita, Kansas  
MAR 5 1999

Job complete  
Thank you  
Nick, Sterling & crew