

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

ORIGINAL

API NO. 15- 119-20,871-00-00  
County Meade  
- SW - SE - SE Sec. 15 Twp. 34S Rge. 28 X <sup>E</sup> <sub>W</sub>

Operator: License # 30444  
Name: Charter Production Company  
Address 224 E. Douglas, #400  
City/State/Zip Wichita, KS 67202

330' Feet from (S) (circle one) Line of Section  
990 Feet from (E) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, (SE) NW or SW (circle one)

Purchaser: \_\_\_\_\_  
Operator Contact Person: Jerald Rains

Lease Name Enns A Well # 2  
Field Name Johan

Phone ( 316 ) 264-2808

Producing Formation Council Grove  
Elevation: Ground 2282' KB 2287'

Contractor: Name: Abercrombie RTD, Inc.

Total Depth 3300' PBSD \_\_\_\_\_

License: 30684

Amount of Surface Pipe Set and Cemented at 640' Feet

Wellsite Geologist: Tyler Sanders **KCC**

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

Designate Type of Completion  
X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover NOV 29

If yes, show depth set \_\_\_\_\_ Feet

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

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If Alternate II completion, cement circulated from \_\_\_\_\_

Set depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cat.

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

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)

Operator: N/A

Chloride content 70,000 ppm Fluid volume 200 bbls

Well Name: \_\_\_\_\_

Dewatering method used evaporation

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

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

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

8-6-93 8-14-93 8-27-93  
Spud Date Date Reached TD Completion Date

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

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

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 Jerald Rains  
Title Operations Manager Date 11/29/93

Subscribed and sworn to before me this 29th day of November 1993

Notary Public Nancy Kandt  
Date Commission Expires 2/4/96  
NANCY KANDT  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. Feb. 4, 1996

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
 KCC  SWD  NEPA  
 KGS  Plug  PBSD  
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Wichita, Kansas

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SIDE TWO

Operator Name Charter Production Company Lease Name Enns A Well # 2

Sec. 15 Twp. 34S Rge. 28 [ ] East [X] West County Meade

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 [X] Yes [ ] No (Attach Additional Sheets.)
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No
Electric Log Run [X] Yes [ ] No (Submit Copy.)

List All E.Logs Run: Dual Ind, Microlog, Neutron Density & Geological Log.

[ ] Log Formation (Top), Depth and Datums [ ] Sample
Name Top Datum
See Attached

PLEASE KEEP ALL INFORMATION CONFIDENTIAL

CASING RECORD Table with columns: 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. Includes rows for Surface, Production, and Conductor.

ADDITIONAL CEMENTING/SQUEEZE RECORD Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type Table with columns: Shots Per Foot, Specify Footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Table with columns: Size, Set At, Packer At, Liner Run [ ] Yes [X] No.

Date of First, Resumed Production, SWD or Inj. 9/3/93 Producing Method [X] Flowing [ ] Pumping [ ] Gas Lift [ ] Other (Explain)

Estimated Production Per 24 Hours Table with columns: Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity.

Disposition of Gas: [ ] Vented [X] Sold [ ] Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: [ ] Open Hole [X] Perf. [ ] Dually-Comp. [ ] Commingled [ ] Other (Specify)
Production Interval: 2917'-22', 2940'-42'

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CHARTER PRODUCTION COMPANY  
224 E. DOUGLAS, SUITE 400  
WICHITA, KANSAS 67202  
316-264-2808

ENNS "A" #2-1990 SWK  
C SW SE SE SECTION 15-34S-28W  
MEADE COUNTY, KANSAS  
WAYLANDS PROSPECT

API# 15-119-20871

	<u>E-LOG TOPS</u>		<u>SAMPLE TOPS</u>		
	Depth/Datum	Ref A	Ref B	Ref C	
Herrington	2480'(-188)	2477'(-185)	Eagle	Brinkman	CPC Evans
Krider	2524'(-232)	2525'(-233)	+17		
Winfield	2573'(-281)	2570'(-278)	+12		
Ft. Riley	2705'(-413)	2703'(-411)	+8		
Kinney	2813'(-521)	2813'(-521)	+11		
Wreford	2861'(-569)	2859'(-567)			
Council Grove	2914'(-622)	2913'(-621)			
Crouse	2940'(-648)	2941'(-649)			
Bader	2966'(-674)	2964'(-672)			
Beattie	3024'(-732)	3028'(-736)			
Cottonwood	3097'(-805)	3095'(-803)			
Neva	3121'(-829)	3115'(-823)			
Admire	3164'(-872)	3162'(-870)			
TD	3111'	3110'			

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8-12-93 7:00 AM 2961' OPERATION: DRILLING

DST #1 2899'-2939'

Times: 30"-60"-30"-60"

1st Open: Blow off Bottom 10 Sec. Gas to surface in 2 minutes.

2nd Open: Off bottom on open of tool. 23 PSI on 1 1/2 Orifice = 2140 MCFD

RECOVERED: 2771' GAS IN PIPE

100' MUD

Initial Flow: 484-484 PSI

Initial Shut In: 523 PSI

Final Flow: 484-484 PSI

Final Shut In: 523 PSI

Initial Hydrostatic: 1464 PSI

Final Hydrostatic: 1434 PSI

DST #2 2938'-2961'

Times: 30"-60"-30"-60"

1st Open: Off Bottom in 5 Seconds, Gas to Surface in 3 minutes

2nd Open: Off Bottom on Open of Tool, 14 PSI on 1 1/2 Orifice= 1559 MCFD

RECOVERED: 2850' Gas in Pipe

60' Gas Mud

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Initial Flow: 247-316 PSI      Initial Shut In: 592 PSI  
Final Flow: 326-326 PSI      Final Shut In: 602 PSI  
Initial Hydrostatic: 1484 PSI      Final Hydrostatic: 1434 PSI

8-13-93

7:00 AM 3167' OPERATION: On Bottom with DST #3 3103'-67'

DST #3 3103'-67' (COUNCIL GROVE)

Times: 30"-30"-30"-30"

1st Open: Steady Flow to BOB in 24"

2nd Open: Weak Surface Blow, bldg to 6" in 30"

RECOVERED: 170' GIP  
100' MUD

Initial Flow: 59-69 PSI      Initial Shut In: 798 PSI  
Final Flow: 88-88 PSI      Final Shut In: 798 PSI  
Initial Hydrostatic: 1582 PSI      Final Hydrostatic: 1562 PSI  
BHT 80°

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Wichita, Kansas

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

INVOICE

CONFIDENTIAL

INVOICE NO.	DATE
507342	08/02/1993

WELL LEASE NO./PROJECT EMMA A-2	WELL/PROJECT LOCATION Enns #2	STATE KS	OWNER SAME
SERVICE LOCATION LIBERAL	CONTRACTOR R & W MEADE	JOB/PURPOSE CEMENT CONDUCTOR CASING	TICKET DATE 08/02/1993
ACCT. NO. 155799	CUSTOMER AGENT DAVID MCCART	VENDOR NO.	SHIPPED VIA COMPANY TRUCK
		CUSTOMER P.O. NUMBER	FILE NO. 54509

KCC

DIRECT CORRESPONDENCE TO:

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

NOV 29

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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	40	MI	2.75	110.00
		1	UNT		
001-016	CEMENTING CASING	56	FT	515.00	515.00
		1	UNT		
504-050	CEMENT - PREMIUM PLUS	80	SK	8.95	716.00
509-406	ANHYDROUS CALCIUM CHLORIDE	2	SK	28.25	56.50
500-207	BULK SERVICE CHARGE	84	CFT	1.25	105.00
500-306	MILEAGE CMTG MAT DEL OR RETU	264.96	TMI	.85	225.22

INVOICE SUBTOTAL

1,727.72

DISCOUNT (BID)

656.53

INVOICE BID AMOUNT

1,071.19

\*-KANSAS STATE SALES TAX

33.50

\*-SEWARD COUNTY SALES TAX

6.84

*50' of 13 3/8" conductor csg  
Set by R&R Rat Hole Dlg.*

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CONSERVATION DIVISION  
Wichita, Kansas

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

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 agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

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**HALLIBURTON**  
ENERGY SERVICES  
ORIGINAL CONFIDENTIAL

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

INVOICE NO.	DATE
507555	08/07/1993

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
NNS "A" 2	SEWARD	KS	SAME

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ABERCROMBIE	CEMENT SURFACE CASING	08/07/1993

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
35799	W. C. "BILL" CRAIG			COMPANY TRUCK	54774

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

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
00-117	MILEAGE	44	MI	2.75	121.00
		1	UNT		
001-016	CEMENTING CASING	640	FT	735.00	735.00
		1	UNT		
030-018	CEMENTING PLUG SW, PLASTIC T	8	5/8 IN	130.00	130.00 *
		1	EA		
997	BAFFLE PLATE - 8 5/8" ALUM	1	EA	45.00	45.00 *
825.1269					
10	CENTRALIZER 8-5/8" X 12.25"	3	EA	72.00	216.00 *
807.93059					
104-050	CEMENT - PREMIUM PLUS	150	SK	8.95	1,342.50 *
104-120	CEMENT - HALL, LIGHT PREM PL	160	SK	8.05	1,288.00 *
107-210	FLOCELE	40	LB	1.40	56.00 *
109-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	28.25	169.50 *
100-207	BULK SERVICE CHARGE	325	OFT	1.25	406.25 *
100-306	MILEAGE CMTG MAT DEL OR RETN	1072.187	TMI	.85	911.36 *

INVOICE SUBTOTAL 5,420.61

DISCOUNT-(BID) 2,059.82-

INVOICE BID AMOUNT 3,360.79

\*-KANSAS STATE SALES TAX 139.68

\*-SEWARD COUNTY SALES TAX 28.31

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

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CONSERVATION DIVISION  
Wichita, Kansas 672

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 agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

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

INVOICE



INVOICE NO.	DATE
507200	08/14/1993

WELL/LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
NNS 2		MEADE		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	TICKET DATE
IBERAL		CEMENT PRODUCTION CASING		08/14/1993	
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
55799	ROBERT MOOREHEAD			COMPANY TRUCK	55014

KCC

DIRECT CORRESPONDENCE TO:

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

NOV 29  
CONFIDENTIAL

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

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	RICING AREA - MID CONTINENT MILEAGE	54	MI	2.75	148.50
		1	UNT		
001-016	CEMENTING CASING	3293	FT	1,285.00	1,285.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5.5	IN	60.00	60.00 *
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	121.00	121.00 *
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8	1	EA	110.00	110.00 *
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	55.00	55.00 *
815.19311					
40	CENTRALIZER 5-1/2" X 7 7/8"	6	EA	44.00	264.00 *
807.93022					
019-241	CASING SWIVEL W/O WALL CLEAN	1	JOB	155.00	155.00
018-317	SUPER FLUSH	15	SK	100.00	1,500.00
218-738	CLAYFIX II	6	GAL	21.50	129.00
504-043	CEMENT - PREMIUM	165	SK	8.69	1,433.85 *
507-775	HALAD-322	93	LB	6.90	641.70 *
508-127	CAL SEAL 60	11	SK	20.70	227.70 *
508-291	GILSONITE BULK	990	LB	.40	396.00 *
509-968	SALT	1126	LB	.13	146.38
500-207	BULK SERVICE CHARGE	214	CFT	1.25	267.50 *
500-306	MILEAGE CMTG MAT DEL OR RETU	668.2165	TMI	.85	567.98 *

INVOICE SUBTOTAL

DISCOUNT - (BID)

INVOICE BID AMOUNT

\*- KANSAS STATE SALES TAX

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

7,508.51  
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5,637.12  
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Wichita, Kansas

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 agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

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DALLAS, TX 75395-1046



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INVOICE

INVOICE NO.	DATE
507200	08/14/1993

WELL LEASE NO./PROJECT:		WELL/PROJECT LOCATION:		STATE:	OWNER:
ENNS 2		MEADE		KS	SAME
SERVICE LOCATION:	CONTRACTOR:	JOB PURPOSE:		TICKET DATE:	
LIBERAL		CEMENT PRODUCTION CASING		08/14/1993	
ACCT NO:	CUSTOMER AGENT:	VENDOR NO:	CUSTOMER P.O. NUMBER:	SHIPPED VIA:	FILE NO:
155799	ROBERT MOOREHEAD			COMPANY TRUCK	55014

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

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NOV 29  
**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
	* - SEWARD COUNTY SALES TAX				31.09

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

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\$5,811  
CONSERVATION DIVISION  
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