

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

KCC

DEC 11

API NO. 15- 175-21,220-0000 ORIGINAL
County Seward
C S/2 SE/4 Sec. 28 Twp. 32S Rge. 32 X W

Operator: License # 30444

CONFIDENTIAL

Name: Charter Production Company

Address 224 E. Douglas, Suite 400

City/State/Zip Wichita, KS 67202

Purchaser: WOPL

Operator Contact Person: Robert C. Spurlock

Phone (316) 264-2808

Contractor: Name: Zenith Drilling

License: 5141

Wellsite Geologist: Robert Smith

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: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

11-10-91 11-22-91 12-5-91
Spud Date Date Reached TD Completion Date

660' Feet from S XX (circle one) Line of Section

1320' Feet from E XX (circle one) Line of Section

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

Lease Name Wettstein Well # 1

Field Name Wildcat

Producing Formation Morrow

Elevation: Ground 2812' KB 2821'

Total Depth 6040' PBD 5904'

Amount of Surface Pipe Set and Cemented at 1601 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 3207 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan A/I/E
(Data must be collected from the Reserve Pit)

Chloride content 1300 ppm Fluid volume 6,723 bbls

Dewatering method used evaporation & deflocculation

Location of fluid disposal if hauled offsite: _____

RELEASED

Operator Name _____

Lease Name FEB 4 1992 License No. _____

Quarter Sec. Twp. S Rng. E/W

FROM CONFIDENTIAL

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 Robert C. Spurlock

Title President Date 12-11-91

Subscribed and sworn to before me this 11th day of December 19 91.

Notary Public _____

Date Commission Expires _____

NOTARY PUBLIC
My Appt. Expires 12/31/95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
 Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
KCC
KGS
Distribution
 SWD/Rop NGPA
 Plug Other
(Specify)
DEC 13 1991
CONSERVATION DIVISION
WICHITA, KANSAS

Operator Name Charter Production Company Lease Name Wettstein Well # 1s

Sec. 28 Twp. 32S Rge. 32 East County Seward

West

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.)

Log Formation (Top), Depth and Datum Sample

Name Top Datum

SEE ATTACHED

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

List All E.Logs Run:
 Compensated Neutron Density, Induction,
 Micro-Resistivity, Geologist's Report
 (Drilling Time and Sample Log)
 PLEASE KEEP THIS 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"	24#	1610'	LW, CCH	655	2% CC
Production	7-1/2"	5-1/2"	15.5#	6031'	C Lite 60/40 Poz	150 300	10% Salt, 3/4% Halad; 12.5% Gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives	
	Top Bottom				
Perforate					
Protect Casing					
Plug Back TD					
Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4	5958-64' CIBP 5952'	300 gals 7 1/2% DSFE acid
4	5992-26' & 5928-31'; CIBP 5904'	800 gals 15% FE acid, 2400 gals 15% SGA acid
4	5563-72' & 5578-89'	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	5590'		<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. SI, WOPL - Shut-in Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas: SI - WOPL METHOD OF COMPLETION Perforated Open Hole Dually Comp. Commingled Other (Specify) _____

Production Interval 5563-72'
5578-89'

DEC 1 1
CONFIDENTIAL

RELEASED

FEB 4 1994

ORIGINAL

WETTSTEIN #1
API #15-175-21,220
C-S/2 SE/4 28-32S-32W
SEWARD COUNTY, KANSAS

FROM CONFIDENTIAL

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

DST #1 4660-4690', 30-30-30-30, L/KC
HP's: 2301-2259
BHT: 108
IFP: 33-33 Good initial surge then blow died (less than 1 minute)
FFP: 33-33 No blow
SIP's: 1235-1098
Recovery: 3' mud

DST #2 5502-5600, 10-60-10-60, Morrow Sand
HP's: 2814-2689
BHT: 124
IFP: 1626-1637 Gas to surface in 2 minutes - gauged at 6737 MCF before the gauges broke
FFP: 1711-1711 Gas immediately plugged pitot tube. No measurement.
SIP's: 1795-1806
Recovery: 1' condensate

FORMATION TOPS:

Heebner	4214/-1392
Toronto	4242/-1420
Lansing	4340/-1518
Swope	4824/-2002
B/KC	4892/-2070
Marmaton	4986/-2164
Cherokee	5145/-2323
Morrow Shale	5499/-2677
Chester	5632/-2810
St. Gen.	5826/-2994
St. Louis	5958/-3099

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DEC 13 1991

CONSERVATION DIVISION
WICHITA, KANSAS



HALLIBURTON SERVICES

ORIGINAL

DEC 11

A Halliburton Company

CONFIDENTIAL

INVOICE NO. DATE

186915 11/11/1991

INVOICE

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
LETTSTEIN 1		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
IBERAL		ZENITH #1		CEMENT SURFACE CASING		11/11/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
55799	MICHAEL GERHARDT		RELEASED		COMPANY TRUCK	25593

FEB 4 1994

DIRECT CORRESPONDENCE TO:

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

FROM CONFIDENTIAL
WEST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - MID CONTINENT MILEAGE	20	MI	2.60	52.00
		1	UNT		
001-016	CEMENTING CASING	1608	FT	1,020.00	1,020.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	8 4/8	IN	130.00	130.00
		1	EA		
12A	GUIDE SHOE - 8 5/8" 8RD THD.	1	EA	216.00	216.00
825.217					
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1	EA	30.00	30.00
815.19415					
40	CENTRALIZER 8-5/8" MODEL S-4	3	EA	62.00	186.00
807.93059					
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
890.10802					
504-050	PREMIUM PLUS CEMENT	150	SK	7.08	1,062.00
504-120	HALL. LIGHT -PREMIUM PLUS	515	SK	6.63	3,414.45
507-210	FLOCELE	166	LB	1.30	215.80
509-406	ANHYDROUS CALCIUM CHLORIDE	12	SK	26.25	315.00
500-207	BULK SERVICE CHARGE	700	CFT	1.15	805.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	1034.863	TMI	.80	827.89
INVOICE SUBTOTAL					8,456.64
DISCOUNT-(BID)					2,959.81-
INVOICE BID AMOUNT					5,496.83
*-KANSAS STATE SALES TAX					204.00
*-SEWARD COUNTY SALES TAX					47.99
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,748.82

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STATE CORPORATION COMMISSION

DEC 13 1991

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.



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

INVOICE

ORIGINAL HALLIBURTON SERVICES

DEC 1 1991

A Halliburton Company

CONFIDENTIAL

INVOICE NO:	DATE:
186847	11/22/1991

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
JETTSTEIN 1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ZENITH #8	CEMENT PRODUCTION CASING	11/22/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
55799	ROBERT MOOREHEAD		512 5510
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			26403

RELEASED

FEB 4 1991

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

FROM CONFIDENTIAL

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
101 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - MID CONTINENT MILEAGE	20	MI	2812.60	282.00
007-013	MULT STAGE CEMENTING-1ST STAGE	6038	FT	1,605.00	1,605.00
007-161	MULT STAGE CEMENTING-ADD STAGE	1	STG	1,025.00	1,025.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	105.00	105.00
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
71	MULT STAGE CMTR-5-1/2 8RD	1	EA	2,450.00	2,450.00
75	PLUG SET - FREE FALL 2-STAGE	1	EA	439.00	439.00
40	CENTRALIZER 5-1/2" X 7 7/8"	16	EA	44.00	704.00
320	CEMENT BASKET 5 1/2"	3	EA	90.00	270.00
350	HALLIBURTON WELD-A	1	LB	11.50	11.50
018-317	SUPER FLUSH	10	SK	87.00	870.00
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	155.00	155.00
504-043	PREMIUM CEMENT	180	SK	6.85	1,233.00
506-105	POZMIX A	120	SK	4.32	518.40
506-121	HALLIBURTON-GEL 2X	5	SK	.00	N/C
504-050	PREMIUM PLUS CEMENT	50	SK	7.08	354.00
504-120	HALL. LIGHT - PREMIUM PLUS	100	SK	6.63	663.00
507-210	FLOCELE	25	LB	1.30	32.50
507-775	HALAD-322	155	LB	6.15	953.25
508-291	GILSONITE BULK	3750	LB	.35	1,312.50

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DEC 10 1991

CONSERVATION DIVISION WICHITA, KANSAS

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

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ORIGINAL HALLIBURTON SERVICES

DEC 11

CONFIDENTIAL

Halliburton Company

INVOICE NO.	DATE
186847	11/22/1991

INVOICE

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
ETTSTEIN 1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
IBERAL	ZENITH #8	CEMENT PRODUCTION CASING	11/22/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
55799	ROBERT MOOREHEAD		512 5614
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			26403

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

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
509-968	SALT	1554	LB	917.10	155.40
500-207	BULK SERVICE CHARGE	549	CFT	1.15	631.35
500-306	MILEAGE CMTG MAT DEL OR RETURN	754.413	TMI	.80	603.53
INVOICE SUBTOTAL					14,256.43
DISCOUNT - (BID)					2,136.43
INVOICE BID AMOUNT					(12) 118.00
*- KANSAS STATE SALES TAX					375.48
*- SEWARD COUNTY SALES TAX					88.38
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$12,581.86

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STATE CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KANSAS

RELEASED

FEB 4 1994

FROM CONFIDENTIAL

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.