

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

API NO. 15- 175-21,206-00 ORIGINAL
County Seward
C SW SW Sec. 20 Twp. 34S Rge. 31 E

Operator: License # 30444 **CONFIDENTIAL**

Name: Charter Production Company
Address 224 E. Douglas, Suite 400

City/State/Zip Wichita, KS 67202

Purchaser: Koch

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 SLOW 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 _____ PBSD
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

10-17-91 11-02-91 11-14-91
Spud Date Date Reached TD Completion Date

660 Feet from SW (circle one) Line of Section
4620 Feet from E (circle one) Line of Section

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

Lease Name Good "A" Well # 1

Field Name Wildcat

Producing Formation Drum

Elevation: Ground 2716' KB 2725'

Total Depth 6440' PBSD 5906'

Amount of Surface Pipe Set and Cemented at 1541 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 cat.

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

Chloride content 3100 ppm Fluid volume 6723 bbls

Dewatering method used evaporation & deflocculation

Location of fluid disposal if hauled offsite: _____

Operator Name RELEASED

Lease Name _____ License No. FEB 2 8 1994

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ FROM 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 *Robert Spurlock*
Title President Date 12/30/91

Subscribed and sworn to before me this 30th day of Dec. 19 91.

Notary Public *Debra Raggio*

Date Commission Expires _____
DEBRA RAGGIO
State of Kansas
My Appt. Exp. 1-27-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED Distribution
STATE CORPORATION COMMISSION SWD/Rep _____ NGPA
Plug _____ Other _____
(Specify)
JAN 02 1992

Operator Name **Charter Production Company** Lease Name **Good "A"** Well # **1**
 Sec. **20** Twp. **34S** 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
 See Attached Exhibit "A"

PLEASE KEEP INFORMATION CONFIDENTIAL

CASING RECORD <input 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" Used	24#	1541'	65/35 Lite	710	6% gel 2% QC
Production	7-7/8"	5-1/2" New	15.5	5950'	60/40/Poz	375	2% gel

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	4854-64' Drum Perfs	1000 gals 15% NE Acid w/2 gals. LoSuri 300 & 20# Fercheck A 4854-64'

TUBING RECORD Size **2-7/8"** Set At **4896'** Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. **11-21-91** Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil **195 Bbls.** Gas **15 Mcf** Water **3 Bbls.** Gas-Oil Ratio **37.8** Gravity

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Cemented Other (Specify)

Production Interval **4854-64'**

GOOD "A" #1
C SW SW 20-34S-31W
Seward County, Kansas

ORIGINAL 1000

JAN 2

PLEASE KEEP INFORMATION CONFIDENTIAL **CONFIDENTIAL**

FORMATION TOPS

	E-Log
Winfield	2715(+11)
Council Grove	3041(-320)
Heebner	4371(-1645)
Lansing	4534(-1808)
T/KC	4827(-2101)
Swope	4988(-2262)
Morrow Shale	5756(-3030)
Chester	5912(-3186)
St. Gen.	6200(-3474)
St. Louis	6303(-3577)

RELEASED

FEB 2 8 1994

FROM CONFIDENTIAL

DST RESULTS

#1 - 4830-4859, 30-60-60-60
HP's: 2259-2238 BHT: 118
IFP: 56-123 Strong blow built to bottom of
bucket in 1 minute

FFP: 112-189 Gas to surface immediately
gauged as follows:

10 minutes	=	39.6	MCF/D
20 "	=	28.0	"
30 "	=	26.6	"
40 "	=	26.6	"
50 "	=	26.6	"
60 "	=	26.6	"

SIP: 1531-1510

Recovery: 820' Clean gassy oil, 50% gas,
50% oil at 38 gravity
180' Gas and oil cut mud, 50% gas,
5% oil, 40% mud, 5% water with
10,000 chlorides

1000' total fluid

RECEIVED
STATE CORPORATION COMMISSION

JAN 02 1992

CONSERVATION DIVISION
WICHITA, KANSAS

ORIGINAL

PLEASE KEEP INFORMATION CONFIDENTIAL

JAN 2

CONFIDENTIAL

DST RESULTS CONT.

- #2 - 4860-4901, 30-60-38-60 (straddle) RELEASED
 HP's: 2322-2291 BHT: 120 FEB 2 8 1994
 IFP: 396-812 Gas to surface in 7 minutes
 gauged as follows:
 10 minutes = 116 MCF/D
 20 " = 68.8 "
 30 " = 59.2 "
 FFP: 897-1203 Gas immediately gauged as
 follows:
 10 minutes = 5.32 MCF/D
 20 " = 3.71 "
 30 " = 2.37 " and flowed oil
 SIP's: 1499 No final shut in due to leaking
 bottom packer
 Recovery: Oil to surface, 60% gas, 40% oil
 at 40 gravity and 60' water with
 50,000 chlorides
- #3 - 4946-5009, 30-60-60-60
 HP's: 2406-2385 BHT: 121
 IFP: 45-78 Weak (1/4") blow built to 8 inches
 FFP: 101-156 Surface blow built to bottom of
 bucket in 25 minutes
 SIP's: 1499-1415
 Recovery: 90' Gas and oil cut mud, 30% gas,
 10% oil, 60% mud
165' Mud cut water with 30,000 chlorides
 255' total fluid
- #4 - 5016-5033, 30-60-60-60
 HP's: 2406-2385 BHT: 121
 IFP: 112-568 Strong blow built to bottom of
 bucket in 3 minutes
 FFP: 589-1087 Strong blow built to bottom of
 bucket in 5 minutes
 SIP's: 1605-1584
 Recovery: 2270' GIP
 2180' Salt water with 63,000 chlorides

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CONSERVATION DIVISION
WICHITA, KANSAS

ORIGINAL

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1000

JAN 2
CONFIDENTIAL

DST RESULTS CONT.

#5 - 5797-5823, 30-60-30-60
 HP's: 2804-2783 BHT: 132
 IFP: 450-504 Gas to surface in 2 minutes
 gauged as follows:
 10 minutes = 2558 MCF/D
 20 " = 2675 "
 30 " = 2675 "
 FFP: 493-504 Gas to surface gauged at
 2675 MCF/D throughout flow
 SIP: 1933-1922
 Recovery: 5' condensate

RELEASED

FEB 2 8 1994

FROM CONFIDENTIAL

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JAN 02 1992

CONSERVATION DIVISION
WICHITA, KANSAS



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

INVOICE

ORIGINAL

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE
186878	11/01/1991

CONFIDENTIAL

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
WELL "A" 1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	ZENITH DRILLING	CEMENT PRODUCTION CASING	11/01/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
55799	ROBERT MOOREHEAD		
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			25224

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

RELEASED

FEB 28 1992

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

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
	TRICING AREA - MID CONTINENT				
000-117	MILEAGE	13	MI	2.60	33.80
		1	UNT		
009-308	PLUG-BACK & CASING JOB COMBO	16	HR	2,875.00	2,875.00
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	105.00	105.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	83.00	83.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	12	EA	44.00	528.00
807.93022					
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
218-738	CLAYFIX II	12	GAL	20.00	240.00
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	155.00	155.00
504-043	PREMIUM CEMENT	50	SK	6.85	342.50
504-043	PREMIUM CEMENT	225	SK	6.85	1,541.25
506-105	POZMIX A	150	SK	4.32	648.00
506-121	HALLIBURTON-GEL 2%	6	SK	.00	N/C
508-291	GILSONITE BULK	1875	LB	.35	656.25
509-968	SALT	1940	LB	.10	194.00
507-775	HALAD-322	242	LB	6.15	1,488.30
500-207	BULK SERVICE CHARGE	491	CFT	1.15	564.65
500-306	MILEAGE CMTG MAT DEL OR RETURN	937.17	TMI	.80	749.74
	INVOICE SUBTOTAL				11,278.49
	DISCOUNT - (BID)				1,691.74
	INVOICE BID AMOUNT				9,586.75
	*-KANSAS STATE SALES TAX				243.36
	*-SEWARD COUNTY SALES TAX				57.27
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				\$9,887.38

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STATE CORPORATION COMMISSION
JAN 02 1992
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.

HALLIBURTON SERVICES

INVOICE

ORIGINAL

A Halliburton Company

INVOICE NO. DATE

186625 10/18/1991

WELL/LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
WOOD "A" 1		SEWARD		KS	SAME	
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE		TICKET DATE
THERAL		ZENITH #1		CEMENT SURFACE CASING		10/18/1991
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
55799	GREG SCOTT				COMPANY TRUCK	24201

RELEASED

DIRECT CORRESPONDENCE TO:

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

FEB 28 1994

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

FROM CONFIDENTIAL

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	TRICING AREA - MID CONTINENT MILEAGE	14	MI	2.60	36.40
001-016	CEMENTING CASING	1533	FT	1,020.00	1,020.00
030-016	CEMENTING PLUG SW, PLASTIC TOP	8	5/8 IN	130.00	130.00
24A	INSERT FLOAT VALVE - 8 5/8" 8RD	1	EA	171.00	171.00
815-1950	FILL-UP UNIT 7" - 8 5/8"	1	EA	30.00	30.00
27					
815-19415					
40	CENTRALIZER 8-5/8" MODEL S-4	3	EA	62.00	186.00
807-93059					
504-050	PREMIUM PLUS CEMENT	150	SK	7.08	1,062.00
504-120	HALL LIGHT - PREMIUM PLUS	560	SK	6.63	3,712.80
507-210	FLOCELE	178	LB	1.30	231.40
509-406	ANHYDROUS CALCIUM CHLORIDE	13	SK	26.25	341.25
500-207	BULK SERVICE CHARGE	748	CET	1.15	860.20
500-306	MILEAGE CMTG MAT DEL OR RETURN	1506.622	TMI	.80	1,205.30
INVOICE SUBTOTAL					8,986.35
DISCOUNT - (BID)					3,145.21
INVOICE BID AMOUNT					5,841.14
* - KANSAS STATE SALES TAX					219.07
* - SEWARD COUNTY SALES TAX					51.54
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$6,111.75

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