

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

API NO. 15- 175-21310-00-00
County Seward
15' S of N/2 SW SW
Sec. 20 Twp. 34S Rge. 31 X

ORIGINAL

Operator: License # 30444

Name: Charter Production Company

Address 224 E. Douglas Suite 400

Wichita, KS 67202

City/State/Zip

Purchaser: Panhandle Eastern

Operator Contact Person: Jerald W. Rains

Phone (316) 264-2808

Contractor: Name: Zenith Drilling Corporation

License: 5141

Wellsite Geologist: Chuck Schmaltz

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, MSW, 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 PBDT

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

4/15/93 4/26/93 5/11/93

Spud Date Date Reached TD Completion Date

915' Feet from S/M (circle one) Line of Section

660' Feet from E/W (circle one) Line of Section

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

Lease Name Good A (formerly Well #3

Field Name Blue Bell NW Good "A" Twin

Producing Formation Novinger

Elevation: Ground 2726' KB

Total Depth 5450' PBDT

Amount of Surface Pipe Set and Cemented at 33 jts, 1477 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cat.

Drilling Fluid Management Plan ALT 1 8-17-93
(Data must be collected from the Reserve Pit)

Chloride content 4800 ppa Fluid volume 8067 bbls

Dewatering method used Evaporation & Deflocculation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name

Quarter Sec. Twp. S Rng. E/W

County Docket No.

RELEASED

OCT 26 1995

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.

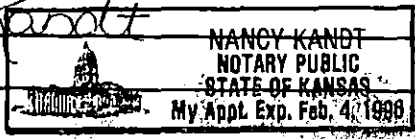
Signature Jerald W. Rains

Title Operations Manager Date 8/9/93

Subscribed and sworn to before me this 9th day of August 1993.

Notary Public Nancy Kanadt

Date Commission Expires



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
AUG 11 1993

Operator Name Charter Production Company Lease Name Good "A" Well # 3

Sec. 20 Twp. 34 Rge. 31 East West County Seward

ORIGINAL

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See geologist's log		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E.Logs Run:
Micro-Resistivity, Neutron Density & Array Induction

PLEASE KEEP ALL 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"	24#	1477'	Pacesetter	525	5% salt, CLC 2%
Production	7 1/2"	5 1/2"	15.5#	5499'	EA-2	175	--

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	5295'-97'		250 Gal, 15% FE acid	

TUBING RECORD		Size <u>2 7/8"</u>	Set At <u>5287'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
6/22/93					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		295			

Disposition of Gas: Vented Sold Used on Lease

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: 5295'-97'

ORIGINAL

API #15-175-21310

DST #1 4377'-4424' (Toronto)
Opens: 30"-60"-60"-60"

RECOVERED: 680' GAS CUT SALT WATER
FP: 101#-189#
HSP: 2207#-211#
FP: 101#-189#/211#-353#
SIP: 1193#-1182# BHT 116R

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DST #2 4463-9' (Douglas group)
Opens: 30"-60"-60"-60"

RECOVERED 470' GAS CUT SALT WATER
HSP: 2207#-2112#
FP: 45#-89#/123#-211#
SIP: 1309#-1267#
BHT: 117 F

DST #3 5255-5307' (Novinger)
Opens 30-60-35-60"

RECOVERED 176' Gassy Oil Cut Watery Mud (30% Gas, 15% Oil, 25%
water, 30% mud)
HSP: 2521-2459#
FP: 685-685#/674-632#
SIP: 1764#-1753#
BHT: 126 F

RELEASED

OCT 2 6 1995

FROM CONFIDENTIAL

DST #4 5308-5318' (Novinger)
Opens 30"-60"-60"-60"

RECOVERED 3850' GAS IN PIPE
90' GASSY OIL CUT WATERY MUD
(40% GAS 10% OIL, 20% WATER 30% MUD)
673' GASSY CUT SALT WATER

HSP: 2521#-2490#
FP: 67#-189#/233#-375#
SIP: 1774#-1764#
BHT: 126 F

RECEIVED
STATE CORPORATION
AUG 1 1 1993

ORIGINAL

ORIGINAL
APR 19 1993



The Western Company of North America

REMIT TO: P.O. BOX 911543
DALLAS, TX 75391-1543

INVOICE NO. 419529	OUR RECEIPT NO. 258574	DATE 4/15/93
16461	1225	YOUR ORDER NO.

CHARTER PRODUCTION CO.
224 E. DOUGLAS #400
WICHITA KS 67202

KCC
AUG 10
CONFIDENTIAL

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	OUR ENGINEER RABE	SIGNED FOR YOU BY CLOWEN
FOR SERVICING WELL NAME GOOD A-1 TWIN	COUNTY SEWARD	STATE KS 15

FEDERAL I.D. NO. C 75-0763484

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE/UNIT	GROSS AMOUNT	PERCENT DISC.	NET AMOUNT
K1005	MILEAGE CHARGE, PER UNIT	MILE	10.0	2.750	27.50	42.00	15.95
K1025	MILEAGE AUTO/PICK-UP/TREATING VAN	MILE	10.0	1.450	14.50	42.00	8.41
F0055	CEMENT CASING, 1501 - 2000'	SHRS	1.0	1105.000	1105.00	42.00	640.90
M1005	BULK MATERIALS SVC CHG-LAND JOBS	CU FT	760.4	1.250	950.50	42.00	551.29
M2305	DELIVERY CHG BULK MATLS	TONMI	332.4	.850	282.54	42.00	163.87
P392N	PREM PLUS CMT, HUGOTON, KS	SACK	125.0	8.950	1118.75	42.00	648.88
P452F	PACESETTER LITE II, PERRYTON, TX	SACK	525.0	9.070	4761.75	42.00	2,761.82
P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE	LB	240.0	.380	91.20	42.00	52.90
P0827	SODIUM CHLORIDE-TX PANHANDLE	LB	2900.0	.130	377.00	42.00	218.66
P1715	CELLO-SEAL	LB	131.0	1.900	248.90	42.00	144.36
P3625	CMT PLUG, RUBBER, TOP 8-5/8"	EACH	1.0	105.000	105.00	42.00	60.90
13365	GUIDE SHOE/NOTCHED 8 5/8" BRD	EACH	1.0	215.000	215.00	42.00	124.70
16048	FLOAT COL/AL FLAP 8 5/8" AF BRD	EACH	1.0	570.000	570.00	42.00	330.60
17068	CENTRALIZER W/ PIN 8 5/8"	EACH	3.0	70.000	210.00	42.00	121.80
17120	CEMENT BASKET, SLIP ON 8 5/8"	EACH	1.0	245.000	245.00	42.00	142.10
	SUB TOTAL				10322.64		5,987.14

01-12
APPROVED
[Signature]

RELEASED
OCT 26 1995

FROM CONFIDENTIAL

PHONE: (713) 629-2600

TERMS: NET 30 DAYS

PAY THIS AMOUNT

5,987.14

ORIGINAL
INVOICE

RECEIVED
MAY - 6 1993



HALLIBURTON SERVICES
A Halliburton Company

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

ORIGINAL

INVOICE NO:	DATE:
345339	04/26/1993

WELL/LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
WOOD TWIN "A" 1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
IBERAIL	ZENITH	CEMENT PRODUCTION CASING	04/26/1993
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
55799	ROBERT MOOREHEAD		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			49883

KCC

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

AUG 1 0

CONFIDENTIAL

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
000-117	RICING AREA - EASTERN AREA1 MILEAGE	12	MI	2.75	33.00
		1	UNT		
001-016	CEMENTING CASING	5449	FT	1,565.00	1,565.00
		1	EA		
018-317	SUPER FLUSH	10	SK	100.00	1,000.00
218-738	CLAYFIX II	13	GAL	21.50	279.50
030-016	CEMENTING PLUG 5W ALUM TOP	5 1/2	IN	60.00	60.00
		1	EA		
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
825-205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	110.00	110.00
815.1925					
27	FILE-UP UNIT 5 1/2"-6 5/8"	1	EA	46.50	46.50
815.1931					
40	CENTRALIZER 5-1/2" X 7 7/8"	9	EA	44.00	396.00
807.93022					
304-043	CEMENT - PREMIUM	175	SK	8.69	1,520.75
307-775	HALAD-322	100	LB	6.90	690.00
308-127	CAL SEAL 60	12	SK	20.70	248.40
308-291	GILSONITE BULK	1050	LB	.40	420.00
309-968	SALT	1257	LB	.13	163.41
300-207	BULK SERVICE CHARGE	229	CFT	1.25	286.25
300-306	MILEAGE CMTG MAT DEL OR RETURN	420.231	MI	.85	357.20
INVOICE SUBTOTAL					7,297.01
DISCOUNT-(BID)					
INVOICE BID AMOUNT					1,824.29
*--KANSAS STATE SALES TAX					157.47
*--SEWARD COUNTY SALES TAX					31.94
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$5,661.15

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

02-08
APPROVED
[Signature]

STATE CORPORATION
AUG 1 1993

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.