

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

API NO. 15- 175-21308 -00-00
County Seward **ORIGINAL**
C - NW - SW - Sec. 19 Twp. 34 Rge. 31 X ^E/_W

Operator: License # 30444

1980 Feet from SW (circle one) Line of Section

Name: Charter Production Company

4620 Feet from EW (circle one) Line of Section

Address 224 E. Douglas

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

Suite 400

City/State/Zip Wichita, KS 67202

Lease Name Hays Trust Well # 1

Purchaser: Aquila Energy

Field Name Blue Bell NW

Operator Contact Person: Jerald W. Rains

Producing Formation Marmaton

Phone (316) 264-2808

Elevation: Ground 2731' KB 2742'

Contractor: Name: Zenith Drilling Corporation

Total Depth 6450' PBDT 5334'

License: 5141

Amount of Surface Pipe Set and Cemented at 34,1493 Feet

Wellsite Geologist: Chuck Schmaltz

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

CONFIDENTIAL

yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cat.

Drilling Fluid Management Plan ALT 1 8-27-93
(Data must be collected from the Reserve Pit)

Chloride content 33,000 ppm Fluid volume 8067 bbls

Deaerating method used Evaporation & Deflocculation

Location of fluid disposal if hauled offsite:

Operator Name

RELEASED

Lease Name License No.

Quarter Sec. Twp. ACT 2 S 6 1995 E/W

County Docket No.
FROM CONFIDENTIAL

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.

4/28/93 5/17/93 5/18/93
Spud Date Date Reached TD Completion Date

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 [Signature]
Title Operations Manager Date 8/23/93

Subscribed and sworn to before me this 23rd day of August 1993

Notary Public Nancy Kandt
Notary Commission Expires 2/4/96

NANCY KANDT
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. Feb. 4, 1998

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep N6PA
 KGS Plug Other
(Specify)

Operator Name Charter Production Company Lease Name Hays Trust Well # 1

Sec. 19 Twp. 34 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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 DST Information Attached.
 Please see geologist's report

List All E.Logs Run:
 Geologist's Log, Dual Induction, Neutron Density,
 & Microlog

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 Casing	12 1/4"	8 5/8"	24#	1493'	Western Lite	575	
Production	7 7/8"	5 1/2"	15.5	5382'	Class C EA-2	125 300	

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	5222'-26' Marmaton	200 gals, 15% acid	5222-26'
		all acid contained Fe, NE surfactant, clay control & the last 1600 gals contained retarder.	

TUBING RECORD Size 2 7/8" Set At 5218' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 7/3/93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil _____ Bbls. Gas 475 Mcf Water _____ Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Production Interval 5222-26'

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

KCC
AUG 23
CONFIDENTIAL

HAYS TRUST #1 2731' GR
C NW SW SECTION 19-34S-31W
1980' FSL 4620' FEL 2742' KB
SEWARD COUNTY, KANSAS
WHITE LABEL PROSPECT

ORIGINAL

API#15-175-21308

DST #1 4378'-4418' (Heebner Shale/Toronto)
Times: 30"-60" 60"-60"

RELEASED

RECOVERED 150' CGO (50% G, 50% O)
770' SMCGO (5%, M, 45% G, 50% O)

OCT 26 1995

FROM CONFIDENTIAL

Initial flow 123-168 psi Initial Shut In 1234 psi
**Final flow 168-290 psi Final Shut In 1174 psi
HP 1653/1926 BHT 122 degrees
* Strong blow in 1". ** 10" 37.6 mcf, 20" 28.9 mcf, 30" 19.9 mcf 40" 15.4 mcf
GTS in 20" 50" 12.5 mcf 60" 10.9 mcf
20" 25.1 mcf

5/8/93

4575' at 7:00 AM Operation: Drilling ahead
DST #2 4544'-4554' (LANSING)
Times: 30"-60"-60"-60"

RECOVERED: 50' MUD
IFP: WK BLOW 1" ...1/4"
FFP: NO BLOW, FLUSHED, NO HELP
HSP: 2081-2054
FP: 50-60/60-68#
SIP: 1048-168
BHT 116 F
DST #3 4833'-4851' (IOLA)
Times: 30"-60"-60"-60"

RECOVERED 2400' GIP
40' CGO (20% G, 80% O)
180' GMCO
(25% G, 35% M, 40% O)
180' VSOCGW
(1% O, 20% G, 70% W)

IFP: Strong blow in 1:
FFP: Strong blow in 4"
Chlorides 62,000 ppm
pit: 8,200 ppm
SIP 1487-1488# HSP 2367#-2342# BHT 119 F
DST #4 4876'-4898' (DRUM)

5/10/93

STATE CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
AUG 24 1993
Times: 30"-60"-60"-60"
FFP: FAIR BLOW BLDG TO STORNG BLOW
OFF BOTTOM IN 40"

RECOVERED: 60' MUD
670' SMCSW
FP 98-187#/247-346# SIP 1420/1417# BHT 124 F

KCC

AUG 23

CONFIDENTIAL

ORIGINAL

5/12/93

5320' AT 7:00 AM Operation: Drilling Ahead
DST #5 5150'-5246' (MARMATON)
Times: 30"-60"-60"-90"

IFP: Strong blow off bottom in 30 seconds. GTS in 3 minutes

FFP: Strong blow. GTS.

Initial Open: 5" 1.949 mmcf, 10" 2.858, 15" 3.095, 20" 3.155, 25" 3.274,
30" 3.274

Final Open: 10" 3.155 mmcf, 20" 3.036, 30" 2.858, 40" 2.558, 50" 2.503
60" 2.441

RECOVERED 250' MUD

2.500 MMCF GAS

Initial Flow 759-661 psi Initial Shut In 1562 psi

Final Flow 700-504 psi Final Shut In 1484 psi

BHT 125 F

5/16/93 6425' at 7:00 AM Operation: Back to Drilling after DST #6

DST #6 6405'-6420' (ST LOUIS)

Times: 45"-60"-45"-60"

IF: Weak blow bldg to 2 1/2"

FF: Surface blow throughout

RECOVERED: 20' OIL SPOTTED DRILLING MUD

Initial Flow: 33-33 psi Initial Shut In 1098 psi

Final Flow 45-45 psi Final Shut In 1256 psi

5/17/93

6450' at 8:00 AM Operation: Trip out w/DST#7

Ran E-Logs before DST #7

DST #7 5934'-5980' (MIDDLE MORROW SAND/TOP OF CHESTER)

(STRADDLE TEST)

TIMES: 30"-60"-60"-60"

IF: Strong blow in 30 seconds

FF: Strong blow immediately

RELEASED

OCT 26 1995

RECOVERED: 390' GIP

60' GCM

Initial Flow 56-56 psi Initial Shut In 727 psi

Final Flow 56-56 psi Final Shut In 939 psi

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

AUG 24 1993

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL



RECEIVED

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

INVOICE

HALLIBURTON SERVICES MAY 28 1993

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
345535	05/17/199

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
HAYS TRUST 1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LITERAL	ZENITH #6	COMBINATION PLUG BACK & CASING	05/17/199
AGCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
155799	ROBERT MOOREHEAD		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	5100

KCC

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

AUG 23

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	MILEAGE	13	MI	2.75	35.75
009-308	PLUG-BACK & CASING JOB COMBO	8	HR	890.00	890.00
001-016	CEMENTING CASING	5383	FT	1,565.00	1,565.00
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	UNT		
815.1925		1	EA	110.00	110.00
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	46.50	46.50
815.1931		1	EA	44.00	44.00
40	CENTRALIZER 5-1/2" X 7 7/8"	1	EA	44.00	44.00
807.93022		1	EA	121.00	121.00
12A	GUIDE SHOE - 5 1/2" BRD THD	1	EA	121.00	121.00
825.205		1	EA	155.00	155.00
019-241	CASING SWIVEL W/O WALL CLEANER	15	SK	100.00	1,500.00
018-317	SUPER FLUSH	12	GAL	21.50	258.00
218-738	CLAYFIX II	50	SK	8.69	434.50
504-043	CEMENT - PREMIUM	300	SK	8.69	2,607.00
504-043	CEMENT - PREMIUM	170	LB	6.90	1,173.00
507-775	HALAD-322	20	SK	20.70	414.00
508-127	CAL SEAL 60	1800	LB	.40	720.00
508-328	GILSONITE BULK	2156	LB	.13	280.28
500-207	BULK SERVICE CHARGE	444	CFT	1.25	555.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	819.00	TMD	.85	696.15
INVOICE SUBTOTAL					12,001.18
DISCOUNT - (BTD)					3,000.27
INVOICE BID AMOUNT					9,000.91
KANSAS STATE SALES TAX					268.91

02-08 APPROVED RECEIVED AUG 24 1993 REGION DIVISION Wichita, Kansas

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

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 REASONABLE ATTORNEY'S FEES IN THE AMOUNT OF 25% OF THE AMOUNT OF THE UNPAID ACCOUNT.

RECEIVED

MAY - 5 1993



The Western Company of North America

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

INVOICE NO. 420577	OUR RECEIPT NO. 239072	DATE 04/29/93
YOUR ORDER NO.		
16461	1225	

ORIGINAL

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

KCC

AUG 23

CONFIDENTIAL

SERVICES FROM OUR STATION AT PERRYTON CEMENTING	YOUR ENGINEER ARRINGTON	SIGNED FOR YOU BY GERHARDT
FOR SERVICING WELL NAME HAYS TRUST 1	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
F0045	CEMENT CASING, 1001 - 1500'	8HRS	1.0	945.000	945.00	42.00	548.10
M1005	BULK MATERIALS SVC CHG-LAND JOBS	CU FT	759.1	1.250	948.88	42.00	550.35
M2305	DELIVERY CHG BULK MATLS	TONMI	332.2	.850	282.37	42.00	163.77
P392N	PREM PLUS CMT, HUGOTON, KS	SACK	125.0	8.950	1118.75	42.00	648.68
P452F	PACESSETTER-LITE II, PERRYTON, TX	SACK	525.0	9.070	4761.75	42.00	2,761.82
P0527	CALCIUM CHLORIDE-TEXAS PANHANDLE	LB	235.0	.380	89.30	42.00	51.79
P0827	SODIUM CHLORIDE-TX PANHANDLE	LB	2866.0	.130	372.58	42.00	216.10
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" 8RD	EACH	1.0	215.000	215.00	42.00	124.70
16048	FLOAT COL/AL FLAP 8 5/8" AF 8RD	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					10154.53		5,889.63

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

APPROVED

STATE RECEIVED

AUG 24 1993

COMMISSION DIVISION WICHITA, KANSAS

PHONE: (713) 629-2600

TERMS: NET 30 DAYS

PAY THIS AMOUNT

5,889.63