

19-34-31w
SEP 02

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

COPY

API NO. 15-175-21256

County Seward

CONFIDENTIAL

C. NW SW Sec. 20 Twp. 34 Rge. 31 X E W

1980 Feet from S (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" Well # 2

Field Name Blue Bell NW

Producing Formation Drum

Elevation: Ground 2718 KB 2728

Total Depth 6400' **RELEASED** 5063'

Amount of Surface Pipe Set and Cemented at 38 jts, 1519 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set **FROM CONFIDENTIAL** Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan BLT / @ 10-15'
(Data must be collected from the Reserve Pit)

Chloride content 3700 ppm Fluid volume 8,067 bbls

Dewatering method used Evaporation & Deflocculation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____

County _____ Docket No. _____

Operator: License # 30444

Name: Charter Production Company

Address 224 E. Douglas Suite 400

Wichita, KS 67202

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Jerald Rains

Phone (316) 264-2808

Contractor: Name: Zenith

License: 5141

Wellsite Geologist: Chuck Schmaltz

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIGW 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. _____

6/21/92 7/7/92 7/30/92
d 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 confidentially 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.

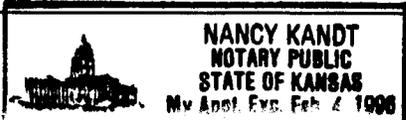
Signature Jerry L. Feine

Title Operations Manager Date 8/17/92

Subscribed and sworn to before me this 2nd day of September 1992.

Notary Public Nancy Kandt

Date Commission Expires 2/1/96



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
SEP 3 1992
Distribution
 KCC SWD/Rep NGPA
 KGS Plug CONSERVATION DIVISION
Wichita, Kansas

WIE-NE-PI

SIDE TWO

Operator Name Charter Production Company Lease Name Good "A" Well # 2

Sec. 20 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 Datums Sample
Name Top Datum

See attached

List All E.Logs Run:
Micro Res, Array Ind, Neutron & Geo Log

PLEASE KEEP ALL 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	23#	1519'	Premium Hal Lite	545	
					Premium Plus	150	
Production	7 7/8	5 1/2	15.5	4550'	Class A	100	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	4800-01	Class H	100 sxs	10% salt, 6% Halad
<input type="checkbox"/> Plug Back TD	4892-94	Class H	50 sxs	6% Halad
<input type="checkbox"/> Plug Off Zone	4905-06	Class A	100 sxs	

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	4860-64		15% NE Acid 400 gal	4860-64
4	4892-94 Drum Perfs			

TUBING RECORD Size 2 7/8 Set At 4857' Packer At 4872' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 8/5/92 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravi
	80							

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)
Production Interval 4860-64

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Good "A" #2 19-34-31w

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Computer Inventoried

DRILL STEM TESTS

RELEASED

OCT 12 1994

FROM CONFIDENTIAL

DST #1 - (4384 - 4435) TORONTO
30"-60"-60"-90"

IFP: Weak building to strong blow in 14 minutes
FFP: Weak building to strong blow in 50 minutes

RECOVERED: 620' Gas in Pipe
279' GCM
341' GCW
CHL: 23,000 ppm spl
4,000 ppm pit

HSP: 2159#/2093#
FP: 85#-128#/181#-320#
SIP: 1293#-1293#
BHT: Not Taken

DST # 2 - (4540 - 4555) LANSING
30"-30"-15"-30"

IFP: Weak 1/4" blow
FFP: No blow

RECOVERED: 10' Mud

HSP: 2290#-2192#
FP: 21#-21#/21#-21#
SIP: 768#-587#
BHT: 115 F

DST #3 (4820 - 4848) IOLA

IFP: Strong blow - GTS/ 7 minutes

IFP: Gauged 9.5 MCF @ 15"
10.1 MCF @ 20"
10.6 MCF @ 25" & 30"

FFP: Gauged 5.3 MCF @ 5"
15.9 MCF @ 10"
10.6 MCF @ 20"

FORMATION

GOOD 'A' #2

WINFIELD	2775 (- 46)
COUNCIL GROVE	3051 (- 322)
HEEBNER SHALE	4381 (-1652)
TORONTO	4401 (-1672)
LANSING	4531 (-1802)
IOLA	4830 (-2101)
DRUM	4858 (-2129)
BKC	5141 (-2414)
MARMATON	5222 (-2493)
CHEROKEE SHALE	5388 (-2659)
MORROW SHALE	5771 (-3042)
UPPER MORROW SD.	5814 (-3085)
MISSISSIPPIAN CHESTER	5930 (-3201)
MISSISSIPPIAN ST. GEN.	6225 (-3496)
MISSISSIPPIAN ST. LOUIS	6320 (-3591)
TOTAL DEPTH - LTD	6397 (-3668)
TOTAL DEPTH - RTD	6400 (-3671)

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CONSERVATION DIVISION
Wichita, Kansas

WIE-45-PI 50 "A" base
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REC
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8.2 MCF @ 30"
6.5 MCF @ 40"
7.5 MCF @ 50"
3.7 MCF @ 60"

RECOVERED: 365' Clean Gassey Oil
(60% Gas, 40% Oil)

475' Gassey Oil Cut Mud
(50% Gas, 20% Oil, 30% Mud)

HSP: 2366#/2312#
FP: 106#-117#/160#-224#
SIP: 1250#/1152#
BHT: 120 F

DST # 4 (4859 - 4876) DRUM
IFP: Strong blow - GTS/ 6 minutes

IFP: Gauged 48.6 MCF @ 10"
56.1 MCF @ 20"
48.6 MCF @ 30"

FFP: Gauged 10.9 MCF @ 10"
25.1 MCF @ 20"
35.5 MCF @ 30"
35.5 MCF @ 40"
25.1 MCF @ 50"
21.9 MCF @ 60"

RECOVERED: 2140' Gassey Oil (38 Gr. @ 68 F
(Reversed Fluid)

HSP: 2366#/2323#
FP: 117#-224#/320#-534#
SIP: 1390#/1357#
BHT: 120 F

DST #5 (5267 - 5318) NOVINGER
IFP: Strong blow in 3 minutes
FFP: Strong blow in 6 minutes
(Slowly lost mud down hole entire test)

RECOVERED: 465' Gas in Pipe
837' Slightly Gas Cut Mud
(5% Gas, 95% Mud)
837' Mud
186' Muddy Water
(40% Mud, 60% Water)

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CHL: 31,000 ppm - spl
4,100 ppm - pit

HSP: 2585#/2530#
FP: 170#-480#/544#-959#
SIP: 1671#/1627#
BHT: 124 F

DST #6 (5763 - 5830) UPPER MORROW SAND
IFP: Strong blow - GTS/ 10 minutes

IFP: Gauged 115 MCF @ 10"
132 MCF @ 20"
146 MCF @ 30"

FFP: Gauged 200 MCF @ 10"
163 MCF @ 20" & Stabilized

RECOVERED: 190' Gas Cut Mud

HSP: 2825#/2748#
FP: 138#-138#/85#-96#
SIP: 1876#/1865#
BHT: 125 F

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WINNIE, MISSISSIPPI