

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

DEC 11

CONFIDENTIAL

Operator: License # 30444Name: Charter Production CompanyAddress 224 E. Douglas, Suite 400City/State/Zip Wichita, KS 67202Purchaser: WOPLOperator Contact Person: Robert C. SpurlockPhone (316) 264-2808Contractor: Name: Zenith DrillingLicense: 5141Wellsite 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 ☐ PSTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____11-10-9111-22-9112-5-91

Spud Date

Date Reached TD

Completion Date

API NO. 15- 175-21,220County Seward- C - S/2 SE/4 Sec. 28 Twp. 32S Rge. 32 ☒ E ☐ W660' Feet from S/XX(circle one) Line of Section1320' Feet from E/XX(circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Wettstein Well # 1Field Name WildcatProducing Formation MorrowElevation: Ground 2812' KB 2821'Total Depth 6040' PSTD 5904'Amount of Surface Pipe Set and Cemented at 1601 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 3207 Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Air I
(Data must be collected from the Reserve Pit)Chloride content 1300 ppm Fluid volume 6,723 bblsDewatering method used evaporation & deflocculationLocation of fluid disposal if haul **RELEASED**Operator Name FEB 4 1994

Lease Name _____ License No. _____

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

County _____ Docket No. _____

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 C. SpurlockTitle President Date 12-11-91Subscribed and sworn to before me this 11th day of December, 19 91.Notary Public [Signature]

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☒ Geologist Report Received

RECEIVED
STATE CORPORATION COMMISSION
KCS
Distribution
SWD/Rep ☒ NGPA
Plug ☒ Other (Specify)

DEC 13 1991

CONSERVATION DIVISION
WICHITA, KANSAS
Form ACO-1 (7-91)

Operator Name Charter Production CompanyLease Name WettsteinWell # 1

WCF-SE-85 East
 Sec. 18 Twp. 32S No. 3 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:

Compensated Neutron Density, Induction,
 Micro-Resistivity, Geologist's Report
 (Drilling Time and Sample Log)

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

SEE ATTACHED

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

CASING RECORD

☒ New ☐ 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, Halad; 12, Gilsonite

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	5958-64' CIBP 5952'	300 gals 7 1/2% DSFE acid	
4	5922-26' & 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
	2-7/8"	5590'			

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)
WOPL - Shut-in		

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

Disposition of Gas: SI - WOPL

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

5563-72'

5578-89'

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

DEC 1
CONFIDENTIAL

28-32-32W
COPY

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

RELEASED
FEB 4 1994
FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

DEC 13 1991

CONSERVATION DIVISION
WICHITA, KANSAS