

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

Operator: License # 30444Name: Charter Production CompanyAddress 224 E. Douglas, Suite 400City/State/Zip Wichita, KS 67202Purchaser: N/AOperator Contact Person: Robert C. SpurlockPhone (316) 264-2808Contractor: Name: Zenith DrillingLicense: 5141Wellsite Geologist: Robert W. 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. _____10-1-91 10-14-91 10-15-91

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,200County Seward**CONFIDENTIAL**C NW SE Sec. 22 Twp. 32S Rge. 31 E
X W1980 Feet from S/WX (circle one) Line of Section1980 Feet from E/WX (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Hill "A" Well # 1Field Name KismetProducing Formation N/AElevation: Ground 2785' KB 2794'Total Depth 6140' PSTD _____Amount of Surface Pipe Set and Cemented at 1630 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ ex cat.

Brilling Fluid Management Plan AIR-DR
(Data must be collected from the Reserve Pit)Chloride content 2900 ppm Fluid volume 5379 bblsDewatering method used Evaporate and deflocculation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

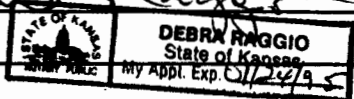
County _____ Docket No. _____

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 11-13-91Subscribed and sworn to before me this 13th day of November91Notary Public Debra Raggio

Date Commission Expires _____



RELEASED

DEC 0 8 1991

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
☒ KGS		☐ Plug	☐ Other (Specify) <u>IS</u>
NOV 14 1991			
CONSERVATION DIVISION			

FROM CONFIDENTIAL

Form ACO-1 (7-91)

SIDE TWO

Operator Name Charter Production Company Lease Name Hill "A" Well # 1
 Sec. 22 Twp. 32S Rge. 31 ☐ East County Seward
☒ West

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
 SEE ATTACHED

List All E.Logs Run: Array Induction; Comp. Neutron;
 Comp. Photo-Den; Micro Resistivity; Wellsite
 Analysis

PLEASE KEEP 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"	16#	1630'	Premium Light PP	150 535	Anhy CC, Floccel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	N/A			
☐ Plug Back TD				
☐ 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
	N/A		

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes	☐ No	
		N/A						
Date of First, Resumed Production, SWD or Inj.			Producing Method					
			☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)
☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

COPY

NOV 13
CONFIDENTIALFORMATION TOPS

	E-Log	Samples
Heebner Shale	4347(-1552)	4348
Lansing	4476(-1681)	4477
B/KC	5048(-2253)	5046
Marmaton	5104(-2309)	5118
Cherokee Shale	5226(-2431)	5226
Morrow Shale	5579(-2784)	5580
Chester	5667(-2872)	5667
St. Gen.	5834(-3039)	5828
St. Louis	5920(-3125)	5921
Spergen	6130(-3335)	6133

DST RESULTS

#1 - Morrow, 5544-5607, 30-60-60-90
 HP's: 2659-2668 BHT: 135
 IFP: 145-396 Blow to bottom of bucket in 8 minutes
 FFP: 407-802 Blow to bottom in 18 minutes
 SIP's: 1859-1859
 Recovery: 180' mud
 1360' water (22,000 chlorides)
 1540' total fluid

#2 - Morrow/Chester, 5629-5698, 30-30-30-30
 HP's: 2793-2710 BHT: 133
 IFP: 67-67 1/2" Blow
 FFP: 78-78 Surface blow
 SIP's: 632-418
 Recovery: 15' mud

RECEIVED
 STATE CORPORATION COMMISSION

RELEASED

NOV 14 1991

DEC 0 8 1992

CONSERVATION DIVISION
 Wildlife Branch

FROM CONFIDENTIAL