FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 9953

Name: Harris Oil and Gas Company

Address 410 17th Street, Suite 2310

City/State/Zip Denver, Co 80202

Purchaser: Koch Oil Company

Operator Contact Person: Bud Harris

Phone (303) 623-3336

Contractor: Name: Cheyenne Drilling Company

License: 5382

Wellsite Geologist: Dan Sommer

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

X 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 ____ PBTD
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Inj?) Docket No.

12/26/91 Spud Date | 01/03/92 Date Reached TD | 01/23/92 Completion Date

API NO. 15- 187-20630

County Stanton

____ - N/2 - S/2 - NE/4 Sec. 27 Twp. 29S Rge. 39 X E W

1650' Feet from S (N) (circle one) Line of Section

1320' 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 Goertzen Well # 1-27

Field Name Big Bow Ext.

Producing Formation St. Louis

Elevation: Ground 3189 KB 3201

Total Depth 5825 PBTD 5825

Amount of Surface Pipe Set and Cemented at 1735 Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 3174 Feet

If Alternate II completion, cement circulated from 1735

feet depth to Surface w/ 750 sx cmt.

Drilling Fluid Management Plan AH I.
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 2,500 bbls

Dewatering method used cut windows in wall, natural evaporation

Location of fluid disposal if hauled offsite:

Operator Name N/A

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 W.G. Harris JHS

Title President Date 3/3/92

Subscribed and sworn to before me this 3rd day of March, 9 92.

Notary Public [signature]

Date Commission Expires 03-28-94

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) IS

Form ACO-1 (7-91)

SIDE TWO

Operator Name Harris Oil and Gas Company Lease Name Goertzen Well # 1-27

Sec. 27 Twp. 29 Rge. 39 ☐ East ☒ West County Stanton

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.)	☒ Yes	☐ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

List All E.Logs Run: Micro Log
Array Induction
Compensated Neutron Density

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

Name	Top	Datum
Heebner	3784	
Lansing	3876	
Marmaton	4489	
Morrow	5190	
Chester	5554	
ST. Gen	5613	
ST. Louis	5710	
ST. Louis "B"	5718	

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#	1735	600 Lite 150 class C	750	2% salt
Production	7 7/8"	4 1/2"	10.5#	5818	class H	200	6/10% Halad 322

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ 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
4 S/FT.	5710-24	1500 gal 15% Non-E Acid	5710-24
		+75 ball sealers	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8	5709	5668	☐ Yes ☒ No

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
	X	150	0	TSTM	X	4	0/1	42 degrees

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
ST. Louis "B"
5710-24