SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 6569
Name C & C Exploration, Inc.
Address 14 Circle Drive
City/State/Zip Beloit, Kansas 67420

Purchaser Cleer Creek

Operator Contact Person Carmen Schmitt
Phone 913-738-3210

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Richard O'Donnell
Phone 303-426-9722

Designate Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

[X] Oil [ ] SWD [ ] Temp Abd
[ ] Gas [ ] Inj [ ] Delayed Comp.
[ ] Dry [ ] Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
[X] Mud Rotary [ ] Air Rotary [ ] Cable

5/14/87	5/22/87	6-10-87
Spud Date	Date Reached TD	Completion Date
3,853'	3853	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 206.46 feet
Multiple Stage Cementing Collar Used? [X] Yes [ ] No
If yes, show depth set 1548 feet
If alternate 2 completion, cement circulated
from 1548 feet depth to 0 w/ 400 SX cmt

API NO. 15- 051-24,470

County Ellis

Approx.
SE/4 NW/4 SE/4 Sec. 21 Twp. 13S Rge. 20W [ ] East [X] West

1930 Ft North from Southeast Corner of Section
1840 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

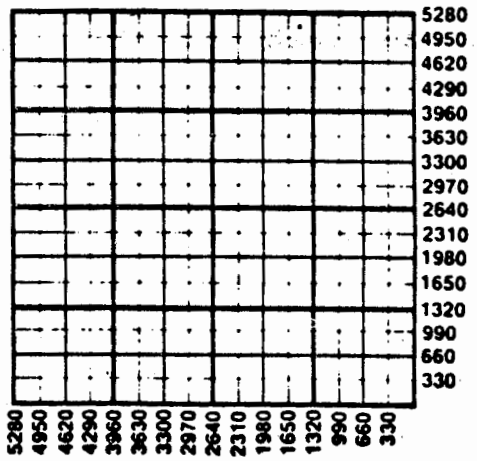
Lease Name Herbert Well # 2

Field Name

Producing Formation Arbuckle

Elevation: Ground 2210 KB 2215

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: [ ] Disposal
Docket # [ ] Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

[ ] Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge [ ] East [ ] West

[X] Surface Water 4800 Ft North from Southeast Corner
(Stream, pond etc.) 4000 Ft West from Southeast Corner
Sec 23 Twp 13S Rge 20 [ ] East [X] West
Walter R. Younger, Hays, Kansas 67601
[ ] Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. 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.

SIDE TWO

Operator Name C & C Exploration, Inc. Lease Name Herbert Well # 2

Sec. 21 Twp. 13S Rge. 20W ☐ East ☒ West County Ellis

WELL LOG

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
Samples Sent to Geological Survey ☐ Yes ☒ No
Cores Taken ☐ Yes ☒ No

Drill Stem Test Data Attached

Formation Description ☐ Log ☐ Sample

Name	Top	Bottom
Stone Corral	1534	+ 681
Topeka	3218	-1003
Heebner Shale	3448	-1233
Toronto	3471	-1256
Lansing/K.C.	3489	-1274
Base/K.C.	3740	-1525
Marmaton	3774	-155[illegible]
Conglomerate	3824	-16[illegible]
Arbuckle	3839	-1624

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	40 Bbls	MCF	150 Bbls	CFPB	40

METHOD OF COMPLETION — Production Interval

Disposition of gas: ☒ Vented ☒ Open Hole ☐ Perforation

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#	213.50'	60/40 Poz	140	2% Gel, 3%CC
Production	7 7/8"	4 1/2"	10.5#	3,840'	60/40 Poz	200	5 sx Salt Flush, 10% Salt, 2% Gel, 1/4# per sx Floseal; 400 sx 50/50 Pozmix, 6% Gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
		750 gal 15% acid	3840

TUBING RECORD	Size	Set At	Packer at	Liner Run
	2 3/8	3835		☐ Yes ☒ No

Date of First Production	Producing Method
6-10-87	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)

WELL SUMMARY

Well Name: C&C Exploration
#2 Herbert

Location: 100' S/100' W of C NW/4 SE/4 Sec. 21 - T13S - R20W
Ellis County, Kansas

Elevation: 2210 G.L. 2215 K.B.

Contractor: Red Tiger Drilling Company - Rig No. 4

Spud Date: 5-14-87

Completion Date: 5-23-87

Bits:

Surface	12-1/2"	R.R.		
Bit #1	H&G 7-7/8"	J11	Rerun	214'-1854'
Bit #2	RBJ 7-7/8"	C2J	AP165	1854'-3855'

Cores: None

Tests:

D.S.T. #1 3662-2683 (Lansing/Kansas City Formation - 175' Zone & Upper 190' Zone), op 15 si 30 op 30 si 30, recovered 900' of gas in the drill pipe, 20' of gassy mud, 660' of gassy, muddy oil with free oil throughout (40% gas, 40% oil, 20% mud), IHP 2017#, ISIP 917#, FP 85#-107#/160#-224#, FSIP 906#, FHP 1920#.

D.S.T. #2 3683-3700 (Lansing/Kansas City Formation - Base of 190' Zone) op 30 si 60 op 30 si 60, recovered 61' of thin watery mud with a few specks of oil, IHP 2048#, ISIP 962#, FP 56#-67#/67#-67#, FSIP 962#, FHP 1982#.

D.S.T. #3 3711-3740 (Lansing/Kansas City Formation - 225' Zone) op 30 si 30 op 5 si --, recovered 10' of drilling mud with a few specks of oil, IHP 2006#, ISIP 97#, FP 43#-43#, FSIP --, FHP 1952#.

D.S.T. #4 3810-3832 (Basal Pennsylvanian Conglomerate) op 30 si 60 op 60 si 60, recovered 60' of gas in the drill pipe, 120' of gassy, mud cut oil (15% gas, 45% oil, 10% water, 30% mud), 60' of gassy, muddy oil (5% gas, 80% oil, 5% water, 10% mud), IHP 2159#, ISIP 1029#, FP 56#-67#/78#-100#, FSIP 985#, FHP 1993#.

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D.S.T. #5 3841-3853 (Arbuckle Formation), op 15 si 30 op 30 si 30, recovered 300' of gas in the drill pipe, 280' of gassy, muddy oil (10% gas, 65% oil, 10% water - i.e. filtrate water, 15% mud), IHP 2148#, ISIP 940#, FP 67#-78#/100#-111#, FSIP 874#, FHP 2059#.

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