

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

5

API NO. 15-...163-22,917-00-00
County...Rooks
SW. NE. SW. Sec. 5. Twp. 10. Rge. 16. X East
1650 Ft North from Southeast Corner of Section
3300 ³⁶³⁴ Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Operator: License # 5011
Name Viking Resources
Address 120 S. Market, Suite 518
Wichita, KS 67202-3819
City/State/Zip

Lease Name...Collins Well #...1

Purchaser Koch Oil Company
Wichita, KS

Field Name...Wildcat (unnamed) Conger, West

Operator Contact Person Jim Devlin
Phone (316) 262-2502

Producing Formation...Arbuckle

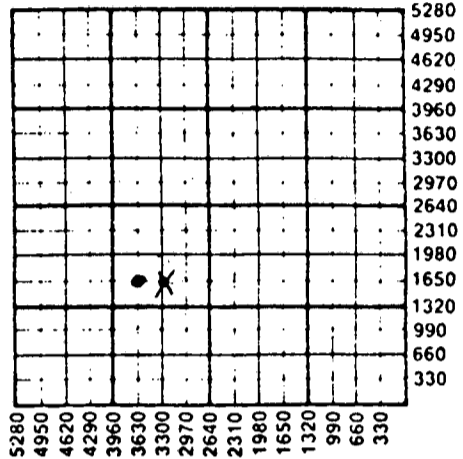
Elevation: Ground...2008 KB...2016

Contractor: License # 5651
Name Mallard Drilling

Wellsite Geologist Jim Maloney
Phone (316) 262-2502

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

Section Plat



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

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
 Surface Water...Ft North from Southeast Corner
(Stream, pond etc)...Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain)...Bruce Hachmeister
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
5-30-87... 6-6-87... 6-15-87...
Spud Date Date Reached TD Completion Date
3576... 3559...
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 210 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated
from 3528 feet depth to Surf...w/.550SX cmt
Cement Company Name Allied
Invoice # 48944 & 48917

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

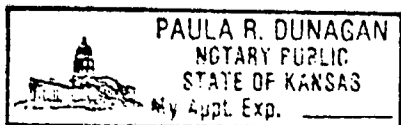
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature James B. Devlin
Title James B. Devlin, Partner Date 6-29-87

Subscribed and sworn to before me this 29th day of June 1987.
Notary Public Paula R. Dunagan

Date Commission Expires 2 March 1989

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



Sec. 5, Twp. 10, Rge. 16W

Operator Name Viking Resources Lease Name Collins Well # 1

Sec. 5 Twp. 10 Rge. 16 East West County Rooks

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

DST #1- 3067-3114 - 30-30-60-60, Rec. 80' Gas in pipe, 40' Oil Cut Muddy Water, 180' Gassy Oil Cut Water, 300' Slightly Oil Cut Water, 235' Very Slightly Oil Cut Water, 5' Heavy Oil Cut Mud, BHP: 936/966, FP: 68/192 303,392

DST #2, 3126-3220, 30-30-60-60, Rec. 180' Gas in pipe, 70' Gassy Oil Cut Mud, 174' Mud Cut Oil, 105' Heavy Oil Cut Mud, 23' Very Heavy Oil Cut Mud, BHP: 1053/1085 FP: 193/193 260/260

DST #3, 3215-3290, 30-30-60-60, Rec. 839' Gas in pipe, 100' Oil, 210' Mud Cut Oil, 240' Gassy Oil Cut Mud, 60' Slightly Oil Cut Mud,, BHP: 890/886 FP: 119/163 222/253

Swabbed 30 bbl oil/hr, no water from Arbuckle ONFU 3300', all oil

Formation Description Log Sample

Name	Top	Bottom
Anhydrite	1210 (+806)	
B. Anhydrite	1245 (+771)	
Topeka	2898 (-882)	
Heebner	3128 (-1112)	
Toronto	3147 (-1131)	
LKC	3170 (-1154)	
BKC	3416 (-1400)	
Arbuckle	3532 (-1516)	
RTD	3600 (-1584)	

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	20#	210	60/40 pox	135	2% gel, 3% cc
Production	7-7/8	4-1/2	10.5	3598	ATL ASC	250 175	Gilsonite +125 sks 60/40 pox

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	3532 - 3535	None	

TUBING RECORD

Size 2-3/8 Set At 3500 Packer at None Liner Run Yes No

Date of First Production 6-15-87 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	65 Bbls	0 MCF	0 Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify)

Production Interval 3532 - 3535

Dually Completed Conmingled

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
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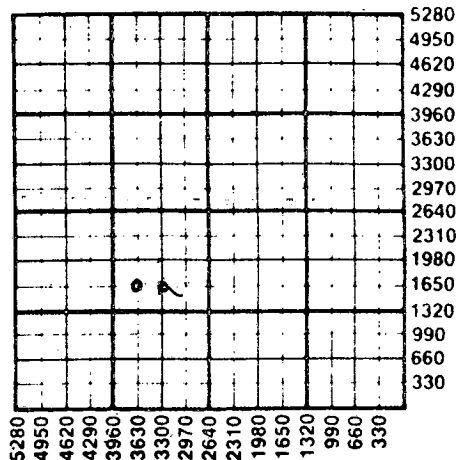
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5-30-87 Spud Date 6-6-87 Date Reached TD 6-15-87 Completion Date
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Amount of Surface Pipe Set and Cemented at 210 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 3598 feet depth to Surf w/ 550SX cmt
Cement Company Name Allied
Invoice # 48944 & 48917

API NO. 15-163-22-917-00-00
County Rooks
SW NE SW Sec. 5 Twp. 10 Rge. 16 East
1650 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Collins Well # 1
Field Name Wildcat (unnamed) Conger West
Producing Formation Arbuckle
Elevation: Ground 2008 KB 2016

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
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 Other (explain) Bruce Hachmeister (purchased from city, R.W.D. #)

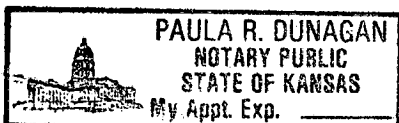
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K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS RECEIVED Other
STATE CORPORATION COMMISSION (Specify)
JUL 1 1987
7-1-87

FORM ACO-1 (5-86)
Wichita, Kansas

Sec. 5, Twp. 10, Rge. 16E

Operator Name Viking Resources Lease Name Collins Well # 1

Sec. 5 Twp. 10 Rge. 16 East West County Rooks

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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>DST #1- 3067-3114 - 30-30-60-60, Rec. 80' Gas in pipe, 40' Oil Cut Muddy Water, 180' Gassy Oil Cut Water, 300' Slightly Oil Cut Water, 235' Very Slightly Oil Cut Water, 5' Heavy Oil Cut Mud, BHP: 936/966, FP: 68/192 303,392</p> <p>DST #2, 3126-3220, 30-30-60-60, Rec. 180' Gas in pipe, 70' Gassy Oil Cut Mud, 174' Mud Cut Oil, 105' Heavy Oil Cut Mud, 23' Very Heavy Oil Cut Mud, BHP: 1053/1085 FP: 193/193 260/260</p> <p>DST #3, 3215-3290, 30-30-60-60, Rec. 839' Gas in pipe, 100' Oil, 210' Mud Cut Oil, 240' Gassy Oil Cut Mud, 60' Slightly Oil Cut Mud,, BHP: 890/886 FP: 119/163 222/253</p> <p>Swabbed 30 bbl oil/hr, no water from Arbuckle ONFU 3300', all oil</p>	<p>Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>1210 (+806)</td><td></td></tr> <tr><td>B. Anhydrite</td><td>1245 (+771)</td><td></td></tr> <tr><td>Topeka</td><td>2898 (-882)</td><td></td></tr> <tr><td>Heebner</td><td>3128 (-1112)</td><td></td></tr> <tr><td>Toronto</td><td>3147 (-1131)</td><td></td></tr> <tr><td>LKC</td><td>3170 (-1154)</td><td></td></tr> <tr><td>BKC</td><td>3416 (-1400)</td><td></td></tr> <tr><td>Arbuckle</td><td>3532 (-1516)</td><td></td></tr> <tr><td>RTD</td><td>3600 (-1584)</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1210 (+806)		B. Anhydrite	1245 (+771)		Topeka	2898 (-882)		Heebner	3128 (-1112)		Toronto	3147 (-1131)		LKC	3170 (-1154)		BKC	3416 (-1400)		Arbuckle	3532 (-1516)		RTD	3600 (-1584)	
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Report all strings set-conductor, surface, intermediate, production, etc.							
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PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used		Depth	
3	3532 - 3535			None			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At	Packer at				
2-3/8		3500	None				
Date of First Production		Producing Method					
6-15-87		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
65 Bbls		0 MCF	0 Bbls		CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation Solid Other (Specify) 3532 - 3535 Used on Lease Dually Completed Commingled