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

API NO. 15-...143-22971........5-10-16.W

County........Rooks...........................

NW. NW. SW. Sec. 5.. Twp..10..Rge....16. X̲ East/West

.4950..... Ft North from Southeast Corner of Section
.2310..... 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 ....

Purchaser........Koch Oil Company...........
............Wichita, KS...................

Operator Contact Person ..Jim Deylin.............
Phone .....(316) 262-2502..............

Contractor: License # ..4958..............
Name ......Mallard JV, Inc.................

Wellsite Geologist...........................
Phone...........................

Lease Name....Collins..............Well #...3....

Field Name....Conger West..............

Producing Formation.....Lansing-Kansas City......

Elevation: Ground.....2036.........KB....2044......

Section Plat

Designate Type of Completion
X̲ New Well   ___ Re-Entry   ___ Workover

X̲ 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:
X̲ Mud Rotary ___ Air Rotary ___ Cable

1/9/88......   1/17/88......   ...1/29/88....
Spud Date   Date Reached TD   Completion Date

3600..........   3354.............
Total Depth   PBTD

Amount of Surface Pipe Set and Cemented at 219 feet
Multiple Stage Cementing Collar Used? ___ Yes X̲ No
If yes, show depth set..............feet
If alternate 2 completion, cement circulated
from..3380.....feet depth to Surface w/.....SX cmt
Cement Company Name ...Allied.................
Invoice # .....50743....

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

X̲ Surface Water 1320 Ft North from Southeast Corner
(Stream, pond etc) 2630 Ft West from Southeast Corner
Sec 8 Twp 10 Rge 16 ___ East X̲ West

___ Other (explain)...........................

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours ➤	15 Bbls	0 MCF	10 Bbls	CFPB	

METHOD OF COMPLETION

Disposition of gas: ☐ Vented ☐ Sold   ☐ Open Hole   X̲ Perforation   3253-3256......
☐ Other (Specify) ....

Production Interval

...rules and regulations promulgated to regulate the oil and gas industry have

Operator Name .....Viking Resources.................. Lease Name....Collins................Well #..3.....

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, 3190-3248, 30-30-60-60, Rec. 40' M w/O Spots, BHP: 447/218, FP: 65/65 65/65, HP: 1635/1625,

DST #2, 3250-3320, 30-30-60-60, Rec. 40' O, 60' OCM, 180' W, BHP: 794/805, FP: 143/154 179/198, HP: 1678/1656

Formation Description
☒ Log   ☐ Sample

Name	Top	Bottom
Anhydrite	1254 (+790)	
Howard	2902 (-858)	
Topeka	2920 (-886)	
Heebner	3156 (-1112)	
Toronto	3176 (-1132)	
Lansing	3199 (-1155)	
Cong Chert	3510 (-1466)	
Eros Arb	3572 (-1528)	
LTD	3598 (-1554)	
RTD	3600 (-1556)	

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	12¼	8-5/8	20	219	60/40 poz	150	3% cc 2% gel
Production	7-7/8	4½	10.5	3379.98	Lite Thixotropic	250 175	5 bbl mud flush

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3253-3256	500 gal 15% INS	3253-56
		3000 gal 15% CRA +	
		2000 gal 15% NE	

TUBING RECORD	Size 2-3/8	Set At 3294	Packer at None	Liner Run ☐ Yes ☒ No

Date of First Production	Producing Method
1/30/88	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).............

5-10-16W

Mallard JV, Inc.
P.O. Box 1009
McPherson, KS   67460

DRILLERS' LOG

OPERATOR: Viking Resources
120 S. Market, Suite 518
Wichita, KS 67202-3819

WELL: Collins #3

API#: 15-163-22,971

LOCATION: NW NW SW

2310 Ft. FSL, 4950 Ft. FEL

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

COUNTY: Rooks

COMMENCED: January 9, 1988

COMPLETED: January 17, 1988

TOTAL DEPTH: 3600'

ELEVATION:2036 Ft. G.L.

2044 Ft. K.B.

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FORMATION	FROM	TO
Surface	0'	220'
Shale, Sand	220	1252
Anhydrite	1252	1288
Shale, Lime	1288	3600 R.T.D. Arbuckle

REMARKS

Cut 12¼" hole to 220'. Ran 5 joints 8-5/8" x 20# x 209.83'
surface casing. Set at 219.33' and cemented w/150 sacks
60/40 Pozmix, 3% cc, 2% gel. Cement did circulate. P.D. at
6:45 a.m., 1-10-88.

Ran 2 DST's and electric log.

Ran 91 joints 4½" x 10.5# J-55 casing. Set at 3379.98' and
cemented w/5 bbl WFR 2 mud flush, 250 sacks ATL, 5 bbl mud
flush, 175 sacks ASC. Displaced with water and followed with
wire line. Cement did circulate. P.D. at 5:30 a.m., 1-17-88.

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