

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

Purchaser

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

Contractor: License # 4958  
Name Mallard JV, Inc.

Wellsite Geologist Rob Patton  
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.)

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
.4-25-89 Spud Date .5-5-89 Date Reached TD .5-5-89 Completion Date

.3314 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1251 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name  
Invoice #

API NO. 15-163-23,042  
County Rooks  
20' N and 180' E of East  
.NE. .SE. .SW. Sec. 27. Twp. 7. Rge. 18.  West

1010 Ft North from Southeast Corner of Section  
3150 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

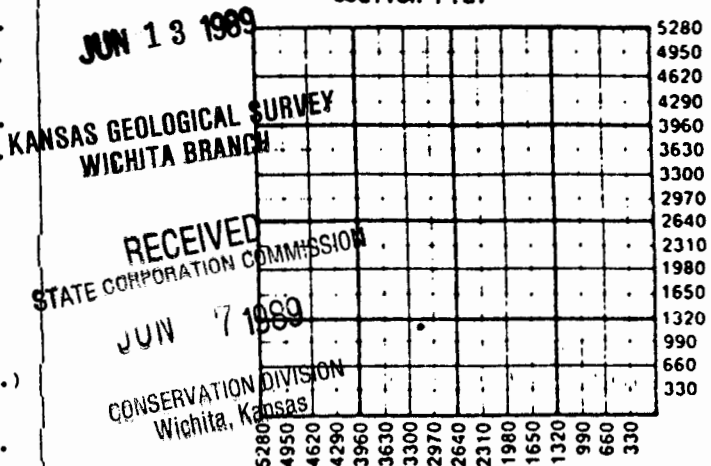
Lease Name Kollman Well # 1

Field Name

Producing Formation

Elevation: Ground 1801 KB 1809

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

Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West

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

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 slide 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.

27 Twp. 7 Rge. 18  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

Formation Description  
 Log  Sample

Name	Top	Bottom
DST #1, 2762-80, 30-45-30-45, Rec. 70' WMw/specks oil, 120' WM, FP: 43/43 76/76, BHP: 997/987, HP: 1351/1330		
DST #2, 2982-3040, 30-30-30-30, Rec. 30' GOSM, FP: 28/28 38/38, BHP: 248/76, HP: 1490/490		
DST #3, 3059-3192, 30-45-30-45, Rec. 20' OSM, 120' MW, FP: 38/57 76/85, BHP: 1155/1145, HP: 1538/1528		
DST #4, 3271-3286, 15-30-5-Pulled tool, Rec. 30' OSM, FP: 9/28 47/47, HP: 906, HP: 1634/1624		
DST #5, 3271-91, 30-30-5-Pulled tool, Rec. 40' SLOCM, FO on top, 180' SPM, flushed tool, FP: 143/133 143/143 BHP: 963, HP: 1634/1624		
DST #6, 3277-3309, 30-45-20-30, Rec. 50' SPM, FP: 38/38 38/38, BHP: 696/244, HP: 1643/1624		
DST #7, 3277-3314, 30-30-30-30, Rec. 40' OSM, FP: 25/25 38/38, BHP: 667/333, HP: 1653/1643		
Anhydrite	1244 (+565)	
B. Anhydrite	1277 (+532)	
Topeka	2742 (-933)	
Heebner	2952 (-1143)	
Toronto	2975 (-1166)	
Lansing	2993 (-1184)	
Stark	3174 (-1365)	
Rew Arb	3284 (-1475)	
Arb	3306 (-1497)	
RTD	3314 (-1505)	

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
Conductor		13-3/8"		43	60/40 poz	50	2% gel, 3% cc
Surface	12 1/4	8-5/8	23-24	1251	60/40 poz	425	2% gel, 3% cc

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)

Shots Per Foot	Specify Footage of Each Interval Perforated	Depth

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

27-7-18W

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: Kollman #1  
API#: 15-163-23,042

COMMENCED: April 25, 1989

LOCATION: 50' W of NE SE SW

COMPLETED: May 4, 1989

990 Ft. FSL, 3020 Ft. FEL

TOTAL DEPTH: 3314 Ft.

KANSAS GEOLOGICAL SURVEY  
BRANCH

SEC. 27 TWP. 7 S RGE. 18 W

ELEVATION: 1788 Ft. G.L.

COUNTY: Rooks

1796 Ft. K.B.

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Cut 17 1/4" hole to 46' and ran 1 joint 13-3/8" x 37.9' conductor casing. Set at 46' and cemented with 50 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 2:00 a.m. 4-26-89.

Cut 12 1/4" hole to 1255' and ran 31 joints 8-5/8" x 24# x 1241.67' surface casing. Set at 1251.17' and cemented with 425 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 4:30 p.m. 4-27-89.

Cut 7-7/8" hole to 3314' R.T.D. Arbuckle and plugged with 200 sacks 60/40 Pozmix, 6% gel, 2 sacks Floseal as follows: 25 sacks @ 3306'  
40 sacks @ 1280'  
100 sacks @ 650'  
10 sacks @ 40' and wood plug  
15 sacks R.H., 10 sacks M.H.  
P.D. at 8:00 a.m. 5-4-89.

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 7 1989  
CONSERVATION DIVISION  
Wichita, Kansas

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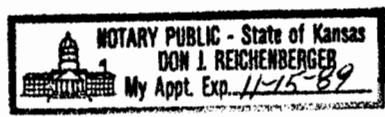
STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

I, BRYAN HESS of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Kollman #1 well as reflected by the files of Mallard JV, Inc.

*Bryan Hess*  
BRYAN HESS, General Mgr.

Subscribed and sworn to before me this 16th day of May, 1989.

11-15-89  
My Appt. Exp



*Don J. Reichenberger*  
NOTARY PUBLIC