

Operator Name Viking Resources Lease Name Collins Well No 4

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 [X] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No

Formation Description [X] Log [] Sample

Table with 3 columns: Name, Top, Bottom. Rows include Heebner, Toronto, Lansing, Muncie Creek, LTD, and RTD with their respective depths.

CASING RECORD [X] New [] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Includes data for Surface Production.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Table with 4 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth.

TUBING RECORD

Size 2-3/8 Set At 3524 Packer at Liner Run [] Yes [] No

Date of First Production 5/5/89

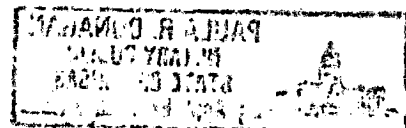
Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (explain)

Table with 6 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row for Estimated Production Per 24 Hours.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [] Vented [] Sold [] Used on Lease [X] Open Hole [] Perforation [] Other (Specify) [] Dually Completed [] Commingled



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 #4

API#: 15-163-23,041

COMMENCED: April 19, 1989

LOCATION: 50' SW of N/2 NE SW

COMPLETED: April 25, 1989

2275 Ft. FSL, 3325 Ft. FEL

TOTAL DEPTH: 3534 Ft.

SEC. 5 TWP. 10 S RGE. 16 W

ELEVATION: 2017 Ft. G.L.

COUNTY: Rooks

2024 Ft. K.B.

Remarks:

Cut 12 1/4" hole to 217' and ran 5 joints 8-5/8" x 20# x 203' surface casing.
Set at 213' and cemented with 140 sacks 60/40 Pozmix, 2% gel, 3% cc.
Cement did circulate. P.D. at 1:00 a.m. 4/20/89.

Drilled to 3534' R.T.D. Arbuckle, and logged. Ran 117 joints 5 1/2" x 15# x 3540'
casing. Set at 3533' and cemented with 150 sacks EA-2, 5% Cal-seal, 18% salt.
Land plug with 1000# at 2:05 p.m. 4/25/89.

RECEIVED
STATE CORPORATION COMMISSION

JUN 7 1989

CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

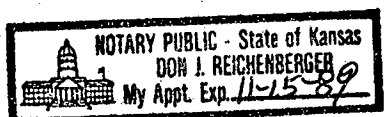
I, BRYAN HESS of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Collins #4 well as reflected by the files of Mallard JV, Inc.

Bryan Hess
BRYAN HESS, General Mgr.

Subscribed and sworn to before me this 4th day of May, 1989.

11-15-89
My Appt. Exp

Don J. Reichenberger
NOTARY PUBLIC



Phone 483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

New ALLIED CEMENTING CO., INC. No. 58-28

Home Office P.O. Box 31 Russell, Kansas 67665

Date	4-28-89	Sec	5	Twp	10 ^s	Range	16 ^w	Called Out	7:00 A.M.	On Location	9:00 A.M.	Job Start	9:30 A.M.	Finish	10:30 A.M.
Case	Collins	Well No.	4	Location	Codell 25 IN 1/2 E			County	Rooks	State	Ks.				
Contractor	John Cable Tools														
Job Type	Port Collar														
Casing Size	7 7/8"		T.D.		3534'		Depth		3533'						
Tool Size	2"		Depth		213'		Depth		1190'						
Tool	X-Per														
Cement Left in Csg.			Shoe Joint				Minimum								
Press Max															
Meas Line	Displace														

Baker Port Collar 1190'

EQUIPMENT

No.	Cementer	Gary H.
Pumptrk #191	Helper	Randy P.
No.	Cementer	Wayne Mc
Pumptrk #160	Helper	Joe C.
Bulktrk #155	Driver	

DEPTH of Job	#5 Pump truck - port collar	450.00
Reference:	#14 mileage @ 1.00/mi.	11.00
	Sub Total	461.00
	Tax	
	Total	

Remarks: Tested tools at 1000# Opened port collar, mixed cement & circulated cement to surface. Closed port collar & tested to 1000# cleared leg. & csg.

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To: **Viking Resources, Inc**
 Street: **120 3/4 Market, Suite 518**
 City: **Wichita, Kansas** State **Ks. 67202-3819**

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. **11**
 Yee Roy J. Cline
CEMENT
 Amount Ordered: **225 sks @ 50 per 62 gal.**

Consisting of:	Common	113 sks @ 5.00/sk	565.00
	Poz. Mix	112 sks @ 2.25/sk	252.00
	Gel.	11 sks @ 6.75/sk	74.25
	Chloride		
	Quickset		
	Handling	290 @ 1/sk (225 sks)	202.50
	Mileage	2 @ 34/sk/mi (11 mi.)	74.25
	Sub Total		1168.00
	Total		

Floating Equipment: **Thanks**
ACCEPTED
 CONSERVATION DIVISION
 Wichita, Kansas