

COPY

5-10-16W

SIDE ONE

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

Operator: License # 5011

Name: Viking Resources, Inc.

Address 105 South Broadway

Suite 1040

City/State/Zip Wichita, KS 67202-4224

Purchaser: Koch

Operator Contact Person: James B. Devlin

Phone (316) 262-2502

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Robert C. Patton

Designate Type of Completion

New Well Re-Entry Workover

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

If **OWMO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

9-6-90 9-12-90 10-5-90

Spud Date Date Reached TD Completion Date

API NO. 15- 163-23, 108

County Rooks

SE NE SW Sec. 5 Twp. 10S Rge. 16 East West

1650 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

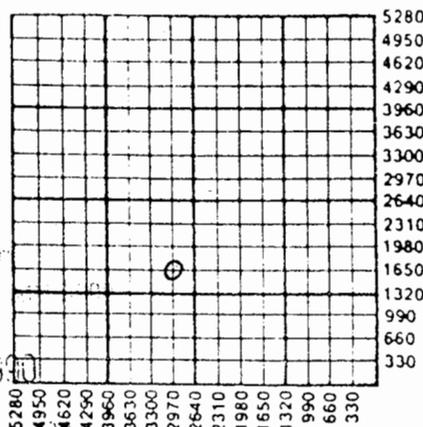
Lease Name Collins Well # 5

Field Name Couger West

Producing Formation Arbuckle LNC

Elevation: Ground 1970 KB 1978

Total Depth 3502 PBDT 3460



11-2-90

Amount of Surface Pipe Set and Cemented at 225 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3498

feet depth to surface w/ 675 475 sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED.** Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

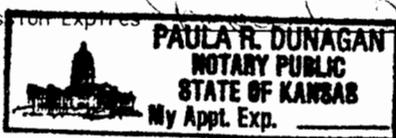
Signature James B. Devlin

Title JAMES B. DEVLIN PRESIDENT Date 10-10-90

Subscribed and sworn to before me this 10th day of OCTOBER, 1990.

Notary Public Paula R. Dunagan

Date Commission Expires October 2, 1993



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) F.S.

COPY

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Collins Well # 5

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

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																														
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																															
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																															
<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>1169</td><td>(+809)</td></tr> <tr><td>B. Anhydrite</td><td>1203</td><td>(+775)</td></tr> <tr><td>Topeka</td><td>2860</td><td>(-882)</td></tr> <tr><td>Plattsmouth</td><td>3048</td><td>(-1070)</td></tr> <tr><td>Heebner</td><td>3088</td><td>(-1110)</td></tr> <tr><td>Lansing</td><td>3128</td><td>(-1150)</td></tr> <tr><td>Stark</td><td>3329</td><td>(-1351)</td></tr> <tr><td>Arbuckle</td><td>3496</td><td>(-1518)</td></tr> <tr><td>RTD & LTD</td><td>3502</td><td>(-1524)</td></tr> </tbody> </table>			Name	Top	Bottom	Anhydrite	1169	(+809)	B. Anhydrite	1203	(+775)	Topeka	2860	(-882)	Plattsmouth	3048	(-1070)	Heebner	3088	(-1110)	Lansing	3128	(-1150)	Stark	3329	(-1351)	Arbuckle	3496	(-1518)	RTD & LTD	3502	(-1524)
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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	225	60/40 Poz	350	annulus
Production	7 7/8	5 1/2	14	3497	ASC	175	2% gel, 3% cc 10% salt, 3/4-1% CFR-2
					ATL	250	1/4# Floseal, 3/4- % CFR-2

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3139-42	750 gal NA, communicated all zones retreat w/ 250 gal 28% 300# plugging material, 750 gal 28%, 300# plugging material, 1000 gal 28%, swab all zones together, 22 BCPH POP	
4	3166-70		
4	3183-86		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8	3410	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production	Producing Method				
	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	80	0	0		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval _____

5-10-16W
COPY

MALLARD JV, INC.
P.O. BOX 1009
McPHERSON, KS 67460

DRILLERS' LOG

OPERATOR: VIKING RESOURCES, INC.
105 S. BROADWAY, SUITE 1040
WICHITA, KS 67202-4224

WELL: COLLINS #5
API#: 15-163-23,108

COMMENCED: SEPTEMBER 6, 1990

LOCATION: SE NE SW

COMPLETED: SEPTEMBER 12, 1990

1650 Ft. FSL, 2970 Ft. FEL

TOTAL DEPTH: 3502 Ft.

SEC. 5 TWP. 10 S RGE. 16 W

ELEVATION: 1970 Ft. G.L.

COUNTY: ROOKS

1978 Ft. K.B.

Ran Casing - Arbuckle Formation

REMARKS:

Cut 12 1/4" hole to 223' and ran 5 joints 8-5/8" x 20# x 215' surface casing. Set at 225' and cemented with 140 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 5:15 a.m. 9-7-90.

Drilled 7-7/8" hole to 3502' R.T.D., ran electric log, and ran 95 joints 5 1/2" x 14# x 3497' production casing. Set at 3497' and cemented with 175 sacks ASC, 10% salt, 3/4% CFR-2; and 250 sacks ATL, 1/4# floseal per sack, 3/4% CFR-2. P.D. at 2:30 a.m. 9-12-90. Released and held.

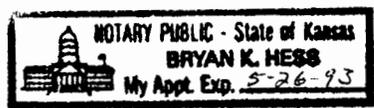
STATE OF KANSAS
OCT 17 1990

STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

I, Dick Hess of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Collins #5 well as reflected by the files of Mallard JV, Inc.

Dick Hess
Dick Hess

Subscribed and sworn to before me this 20th day of September, 1990.



Bryan K. Hess
NOTARY PUBLIC