

COPY 14-10-19W

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 # 5652
Name: Mustang Companies, Inc.
Address P.O. Box 1609
South Highway 281
City/State/Zip Great Bend, KS 67530
Purchaser: Koch Oil Co.
Operator Contact Person: J.P. Meroney
Phone (316) 792-7323
Contractor: Name: Mallard JV
License: 4958
Wellsite Geologist: Arden Ratzlaff

Designate Type of Completion

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

If OWM: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

Spud Date 14-90 Date Reached TD 6-20-90 Completion Date 8-23-90

API NO. 15- 163-23,095

County Rooks

W/2 NE NE Sec. 14 Twp. 10S Rge. 19W ☒ East ☒ West

4670 Ft. North from Southeast Corner of Section

846 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

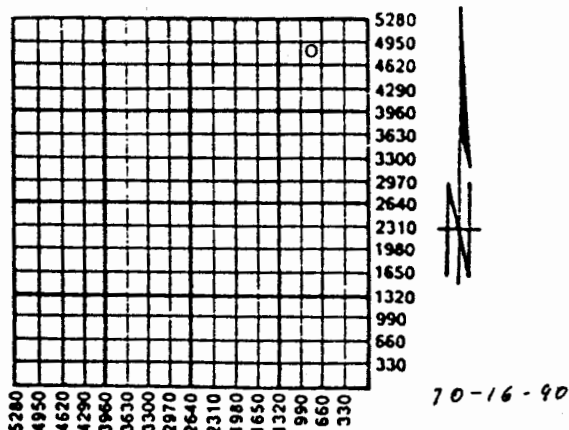
Lease Name Vohs Well # 5

Field Name Vohs

Producing Formation Simpson, LKC

Elevation: Ground 2064' KB 2072'

Total Depth 3760' PBTD 3548'



Amount of Surface Pipe Set and Cemented at 267 Feet:

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1420

feet depth to surface w/ 425 550 sx cmr.

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-1 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 J.P. Meroney
Title Senior Vice President Date 10/5/90
Subscribed and sworn to before me this 5th day of October, 19 90.

Notary Public Pamela K. Walters
Date Commission Expires August 25, 1991

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)
<u>106/SOC</u>		

Form ACO-1 (7-89)

73019

WPA-01-A1

SIDE TWO

Operator Name Mustang Companies, Inc.

Lease Name Vohs

Well # 5

☐ East

County Rooks

Sec. 14 Twp. 10S Rge. 19W

☒ West

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run ☒ Yes ☒ No
(Submit Copy.)

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Topeka	2980	3196
Heebner	3196	3200
Toronto	3216	3227
Lansing	3234	3468
Simpson	3520	3549
Arbuckle	3550	3760

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"	24	267	60/40 poz	150	2%gel, 3%CaCl ₂
Production	7 7/8"	5 1/2"	14	3760	Thrifty	425	
					Surefill	125	

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

2	3533-3538	250 gals 15% INS	3533-38
2	3406-3415	500 gals 15% MCA	3406-15
2	3321-3325	500 gals 15% MCA	3321-25

TUBING RECORD

Size
2 7/8"

Set At
3513'

Packer At
--

Liner Run ☐ Yes ☒ No

Date of First Production 8-24-90 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	20	0	360		28°

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify) _____

3321-3325

3406-3415

3533-3538

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

14-10-1904
COPY

DRILLERS' LOG

OPERATOR: Mustang Companies, Inc.
P.O. Drawer 1609
Great Bend, KS 67530

WELL: Vohs #5-14

API#: 15-163-23,095

COMMENCED: June 14, 1990

LOCATION: Appx. W/2 NE NE

COMPLETED: June 20, 1990

4620 Ft. FSL, 990 Ft. FEL

TOTAL DEPTH: 3760 Ft.

SEC. 14 TWP. 10 S RGE. 19W

ELEVATION: 2042 Ft. G.L.

COUNTY: Rooks

2050 Ft. K.B.

RAN CASING - Arbuckle Formation

Cut 12 $\frac{1}{4}$ " hole to 270' and ran 6 joints 8-5/8" x 257' surface casing. Set at 267' and cemented with 150 sacks 60/40 Pozmix, 2% gel, 3% cc. P.D. @ 12:45 a.m. 6-15-90.

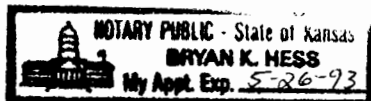
Drilled 7-7/8" hole to 3760', ran electric log and ran 118 joints 5 $\frac{1}{2}$ " x 15# x 3776' casing. Set at 3759' and cemented with 425 sacks Thrifty with $\frac{1}{4}$ # Celloflake per sack, and 150 sacks Surefill. P.D. @ 12:00 p.m. 6-20-90.

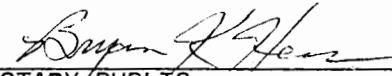
STATE OF KANSAS)
COUNTY OF MCPHERSON) SS:

I, Dick Hess of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Vohs #5-14 well as reflected by the files of Mallard JV, Inc.


Dick Hess

Subscribed and sworn to before me this 27th day of June, 1990.




NOTARY PUBLIC