

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 OWMO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

6-14-90 6-20-90 8-23-90

Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,095-0000

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.)

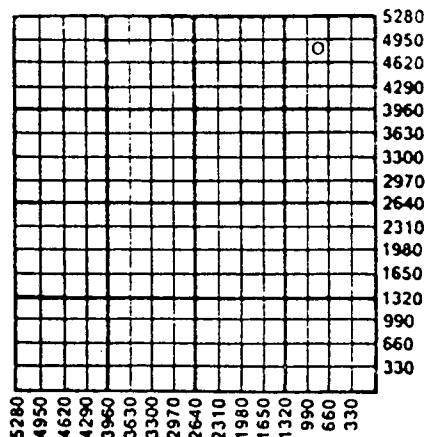
Lease Name Vohs Well # 5

Field Name Vohs

Producing Formation Simpson, LKC

Elevation: Ground 2064' KB 2072'

Total Depth 3760' PBTD 3548'



10-16-90

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 -mt.

**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.

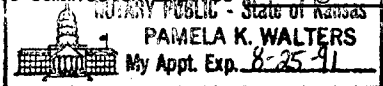
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

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  
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)

**SIDE TWO**

Operator Name Mustang Companies, Inc. Lease Name Vohs Well # 5  
 Sec. 14 Twp. 10S Rge. 19W  East County Rooks  
 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.)

Name	Formation Description	
	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 <sub>2</sub>
Production	7 7/8"	5 1/2"	14	3760	Thrifty Surefill	425 125	

Shots Per Foot	PERFORATION RECORD 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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval  
3321-3325  
3406-3415  
3533-3538

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

ORIGINAL

DRILLERS' LOG

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

WELL: Vohs #5-14

API#: 15-163-23,095-0000

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 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 1/2" x 15# x 3776' casing. Set at 3759' and cemented with 425 sacks Thrifty with 1/4# Celloflake per sack, and 150 sacks Surefill. P.D. @ 12:00 p.m. 6-20-90.

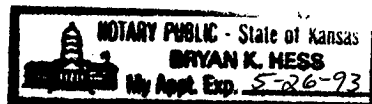
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STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

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*  
\_\_\_\_\_  
Dick Hess

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



*Bryan K Hess*  
\_\_\_\_\_  
NOTARY PUBLIC

JUN 27 1990

ORIGINAL

15-163-23095-0000

Phone 313-483-2627, Russell, Kansas  
Phone 316-793-5861, Great Bend, Kansas

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

# ALLIED CEMENTING CO., INC. No. 9920

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

*New*

Date	6-14-90	Sec.	14	Twp.	10 S	Range	19 W	Called Out	8:45 AM	On Location	9:15 AM	Job Start	12:15 AM	Finish	12:45 AM
Lease	VOHS	Well No.	# 4	Location	ZURICH	IE	3 S	County	ROOKS	State	KANSAS				

Contractor	MAILLARD DRlg. Rig # 1		
Type Job	SURFACE		
Hole Size	12 1/4	T.D.	270'
Csg.	8 5/8	Depth	268'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	16 1/2 <sup>98%</sup>
Perf.			

### EQUIPMENT

Pumptrk	No. #177	Cementer	<i>Shane</i>
		Helper	<i>Will</i>
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#155	Driver	<i>Mark Paul</i>
Bulktrk		Driver	

### DEPTH of Job

Reference:	Pump TRUCK chrg	
	1.09 PER MILE	
	1-8 5/8 WIPER Plug	
		Sub Total
		Tax
		Total

Remarks: Cement Circulated

*Shane*

Owner  
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 MUSTANG COMPANIES INC.

Street  
City State

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

Purchase Order No.  
 *Shane Johnson*

### CEMENT

Amount Ordered 150 SK. 60/40 2% gel 3% CC

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Sales Tax

Handling .90 PER SK

Mileage .03 PER TON MILE

Sub Total	
Total	

Floating Equipment

OCT 12 1990

ORIGINAL

Date 6-26-90 District Hays Ticket No. 627445  
 Company Mustang Company Rig Malheur  
 Lease Wals Well No. 5-14  
 County Boone State Pa.  
 Location 3-5 1/2 - W Pucello Field \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2 Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0344 Lin. ft./Bbl. 99 bbl.  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt. 495 Skys Yield Thiefy ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
150 Surefill 1/4" #7 lead Per sk

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used \_\_\_\_\_  
 Bulk Equip. \_\_\_\_\_

Float Equip: Manufacturer Baker  
 Shoe: Type Guide Depth \_\_\_\_\_  
 Float: Type Insert Depth \_\_\_\_\_  
 Centralizers: Quantity 12 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 3-Baskets 1-Loc. Plug  
 Disp. Fluid Type \_\_\_\_\_ Amt. \_\_\_\_\_ Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE \_\_\_\_\_ CEMENTER Chlen Korman

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						<u>Cemented w/ 495 Sk Thiefy</u>
						<u>Wals 1/4" #7 lead Per sk.</u>
						<u>followed w/ 150 sk surefill</u>
						<u>Pumped plug w/ water</u>
						<u>Cement did not air.</u>
						<u>Float did hold</u>
						<u>lost circulation.</u>

OCT 2 1990

Phone 913-483-2627, 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. 9790

Home Office P. O. Box 31

Russell, Kansas 67665

Date	6-25-90	Sec.	14	Twp.	10 <sup>s</sup>	Range	19 <sup>w</sup>	Called Out	9:00 A.M.	On Location	12:45 P.M.	Job Start	1:15 P.M.	Finish	3:15 P.M.
Lease	Vohs	Well No.	5-14	Location			Plainville SW 3/4 S 1/4 R W	County	Rooks	State	Ks				

Contractor		Owner	
Type Job		Squeeze	
Hole Size	7 1/8"	T.D.	3760'
Csg.	5 1/2"	Depth	3759'
Csg. Size	8 7/8"	Depth	257'
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	50'	Shoe Joint	
Press Max.	700 #	Minimum	
Meas Line	X	Displace	
Perfs	1420'	EQUIPMENT	

No.	Cementer	Gary H.
Pumptrk 191	Helper	Wayne Mc
No.	Cementer	
Pumptrk	Helper	
	Driver	Ed K.
Bulktrk #146	Driver	Glen C.
Bulktrk #212	Driver	

DEPTH of Job	
Reference #4	Pumptruck - squeeze \$450.00
#14	Mileage @ 1.00/mi. 10.00
	Sub Total \$460.00
	Tax
	Total

Remarks: Perforated at 1420'. Mixed cement & displaced to 1370'.

Owner: SAME

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

Charge To: Mustang Companies, Inc.

Street: P.O. Box 1609

City: Great Bend, State: Ks. 67530

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

Purchase Order No. *[Signature]*

Amount Ordered: 450 # 40 per 60 gal with 1/4 # of

Consisting of: Flo Seal 1/sk. & 50 sks com

Common	320 sks @ 5.00/sk	\$1600.00
Poz. Mix	180 sks @ 2.25/sk	405.00
Gel.	18 sks @ 6.75/sk	121.50
Chloride		
Quickset		
Flo Seal	75 # @ 60¢/lb	45.00
Handling	90¢/sk. (500 sks)	450.00
Mileage	203¢/sk./mi. (10 mi)	150.00
Sub Total		2771.50
Total		

Floating Equipment

Thanks

Total: 3231.50

646.30

2585.20

Oct 2 1990

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

GENERAL TERMS AND CONDITIONS

New

# ALLIED CEMENTING CO., INC. NO. 9793

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

Date	6-27-90	Sec.	14	Twp.	10 <sup>s</sup>	Range	19 <sup>w</sup>	Called Out	1:30 P.M.	On Location	3:30 P.M.	Job Start	4:00 P.M.	Finish	4:45 P.M.
Lease	Vols	Well No.	S-14				Location	Plainville SW 3/4 S 1/4 W		County	Rooks	State	Ks.		
Contractor	Express Well Service														
Type Job	Squeeze														

Hole Size	7 1/8"	T.D.	3760'
Csg.	5 1/2"	Depth	3759'
Csg. Size	8 7/8"	Depth	257'
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

### EQUIPMENT

Pumptrk	No. 191	Cementor	Gary H.
		Helper	Wayne Mc
Pumptrk	No.	Cementor	
		Helper	
Bulktrk	#212	Driver	Ed K.
Bulktrk		Driver	

DEPTH of Job		
Reference	#4 Pumptruck - squeeze	\$360.00
	#14 mileage @ 1.00/mi.	10.00
	Sub Total	370.00
	Tax	
	Total	

Remarks: Ran 1" hq. to 220'  
 & circulated cement back to surface between 5 1/2" & 8 7/8" csqs.

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. In any legal action or proceeding between

Charge To Mustang Companies, Inc.  
 Street P.O. Box 1609  
 City Great Bend, State Ks. 67530

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

Purchase Order No. Refined Clark

Amount Ordered 50 sks @ 38.00 C.C.

Consisting of		
Common	50 sks @ 5.00/sk.	250.00
Poz. Mix		
Gel.		
Chloride	2 sks @ 20.00/sk.	40.00
Quickset		
Sales Tax		
Handling	90 @ 1/2 sk. (50 sks)	45.00
Mileage	0.34 @ 1/2 sk./mi. (10 mi.) (min.)	40.00
Sub Total		375.00
Total		

Floating Equipment Thanks

OCT 12 1990