

ORIGINAL

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

API NO. 15- 193-20,571-00-00

Operator: License # 5652

Name: Mustang Oil & Gas Corporation

Address P.O. Box 1609

City/State/Zip Great Bend, KS 67530

Purchaser: _____

Operator Contact Person: Raford Clark

Phone (316) 792-7323

Contractor: Name: Mallard JV Inc

License: 4958

Wellsite Geologist: Stan Brady

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

9-26-91 9-29-91 11-9-91
Spud Date Date Reached TD Completion Date

County Thomas

E/2 NE SE NE Sec. 23 Twp. 7 Rge. 31 ^E _W

3630 Feet from S/W (circle one) Line of Section

100 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)

Lease Name Williams Well # 4

Field Name Rexford

Producing Formation Cedar Hills

Elevation: Ground 2944' KB 2952'

Total Depth 2696' PBTD _____

Amount of Surface Pipe Set and Cemented at 269 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2700'

feet depth to 230' w/ 335' sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) 1-14-92 Bend log

Chloride content 2000 ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Raford Clark
Title Drilling & Prod. Superintendent Date 1-7-92

Subscribed and sworn to before me this 7th day of January

19 92.

Notary Public Pamela K. Walters
Pamela K. Walters Notary Public Exp. 8-28-95

Date Commission Expires August 28, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
G Geologist Report Received
RECEIVED
KANSAS CORPORATION COMMISSION
Distribution
01-10-1992 SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
JAN 10 1992
(Specify)

Operator Name Mustang Oil & Gas Corporation Lease Name Williams Well # 4

Sec. 23 Twp. 7 Rge. 31
 East
 West

County Thomas

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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E.Logs Run:

Radiation Guard
 Cement Bond

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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#	269'	60/40 Poz	160	2% gel-3%cc
prod.	7 7/8"	5 1/2"	14.5#	2696'	HCL 50/50 Poz	240 95	1/4# Floceal 2% gel-5% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
1SPF (50 holes)	2320 - 2370	

TUBING RECORD Size 3 1/2 Set At 1521' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 12-2-91 Producing Method Flowing WSW Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____

MALLARD JV, INC. P. O. BOX 1009 McPHERSON, KS 67460	
D R I L L E R S	L O G

OPERATOR: Mustang Oil & Gas Corp.
 P.O. Box 1609
 Great Bend, KS 67530

WELL: Williams #4 WS

API #: 15-193-20,571

COMMENCED: September 26, 1991

LOC: Approx. E/2 SE NE

COMPLETED: September 29, 1991

3630 FT. FSL, 100 FT. FEL

TOTAL DEPTH: 2700 FT.

SEC. 23 TWP. 7 RGE. 31 W

ELEVATION: 2944 FT. GL, 2952 FT. KB

COUNTY: Thomas

STATUS: Set Casing - Cedar Hills Form. - Water Supply	
Size Hole Drilled:	12-1/4" x 272'
Surface Casing:	8-5/8" x 24# x 259.50' (6 jts.)
Set at:	269.10'
Cement:	160 sacks 60/40 Pozmix, 2% gel, 3% cc
P.D.:	9:15 p.m. 9/26/91
Size Hole Drilled:	7-7/8" x 2700'
Production Casing:	5-1/2" x 14.5# (69 jts.)
Set at:	2696', w/port collar
Cement:	90 sacks HDL, 1/4# floceal
	150 sacks HLC, 1/4# floceal
	95 sacks 50/50 Pozmix, 2% gel, 5% salt
	335 sacks total
P.D.:	12:15 p.m. 9/29/91
Electric Log:	Yes

1/10/92

RECEIVED
 KANSAS CORPORATION COMMISSION

JAN 10 1992

CONSERVATION DIVISION
 WICHITA KS

--- CERTIFICATE ---

Dick Hess, Vice-President of Mallard JV, Inc., hereby certifies that this is a true and correct copy of the log of the following well, as reflected by the files of Mallard JV, Inc.: Williams #4 WS

Dick Hess

Dick Hess, Vice-President

STATE OF KANSAS)
 COUNTY OF McPHERSON) ss.

Subscribed and sworn to before me this 2nd day of October, 1991.

NOTARY PUBLIC - State of Kansas
 BRYAN K. HESS
 My Appt. Exp. 5-26-93

Bryan K. Hess
 Bryan K. Hess, Notary Public

JOB LOG

ORIGINAL

WELL NO. #4 LEASE Williams (WSW)

TICKET NO. 163526-0

CUSTOMER Mustang Oil & Gas Corp

PAGE NO. # 1 of 1

FORM 2013 R-2

JOB TYPE 5 1/2" Production Csg.

DATE 9-29-91

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0630							Called out - Job ready ASAP
	0845							on loc. - Reg. ASAP - Rig by down Kelly & Rig up Csg. Crew
	0955							Start 5 1/2" Csg. Run float Equip. - Reg. Guide Shoe - Insert w/ Auto-Fill - S-4 Cont. on 1" - 10" - 12" - 14" - 16" - 18" - 21" Cmt. BSHT. on 12" & 21" Csg. @ 2696' Hook up to Circ
	1104							Rig Start Circ. - Mix Superflush & Salt Flush
	1110							Hook up to PT
	1130							Start 18 bbl. Salt flush (200# salt)
	1133	6.0	18.0				200	Start 3 bbl. water spacer
	1136	6.0	3.0				200	Start 300 gal. Superflush
	1138	6.0	7.0				250	Start 5 bbl. water spacer
	1140	5.5	5.0				250	Start mixing 90 SKS HCL w/ 1/4" Fibrele
	1142	7.0	58.0				200	Start mixing 150 SKS HCL w/ 1/4" Fibrele
	1150	6.0	49.0				200	Start mixing 95 SKS 50/50 Pz. 2% Gel 5% Salt & .25 D-Air
	1158	6.0	21.5				200	Finish mixing Cement - Partial Returns Washup Pump & Lines - Release 5-w Top Plug
	1202	6.0					150	Start disp.
	1204	7.0	65.5				100	Start Press. Increase - Partial Returns
	1208	7.0					400	Plug down - Partial Returns - Final Circulating Press. = 1000#
	1214						1400	Release Press. - Insert holding Cement did not Circulate
	1218							Job Completed
	1230							

Thank you Eldon - Kent - Gary & John

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KANSAS CONSERVATION COMMISSION
JAN 10 1992 1/10/92

CONSERVATION DIVISION
WICHITA, KS



**JOB
SUMMRY**

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

15-193-20571-00-00
Oklahoma City, OK
Oberlin, KS
ORIGINAL

BILLED ON
TICKET NO. 163526-0

FIELD S Rexford, KS. SEC 23 TWP. 7^s RNG. 31^w COUNTY Thomas STATE KS.

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 2700'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N-U</u>	<u>14.0</u>	<u>5 1/2"</u>	<u>KB</u>	<u>2265</u>	<u>2670'</u>
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-29-91</u> TIME <u>0630</u>	DATE <u>9-29-91</u> TIME <u>0845</u>	DATE <u>9-29-91</u> TIME <u>0955</u>	DATE <u>9-29-91</u> TIME <u>1230</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLYER COLLAR <u>Insert float 5 1/2"</u>	<u>1ea</u>	<u>Halco</u>
FLYER SHOE <u>Auto-fill</u>	<u>1ea</u>	
GUIDE SHOE <u>Reg. 5 1/2"</u>	<u>1ea</u>	
CENTRALIZERS <u>5-4 5 1/2"</u>	<u>7ea</u>	
BOTTOM PLUG		
TOP PLUG <u>5-w 5 1/2"</u>	<u>1ea</u>	
HEAD <u>Cml. Basket 5 1/2"</u>	<u>2ea</u>	
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL.-API
DISPL. FLUID _____ DENSITY _____ LB./GAL.-API
PROP. TYPE _____ SIZE _____ LB.
PROP. TYPE _____ SIZE _____ LB.
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
ACID TYPE _____ GAL. _____ %
SURFACTANT TYPE _____ GAL. _____ IN
NE AGENT TYPE _____ GAL. _____ IN
FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN
GELLING AGENT TYPE _____ GAL.-LB. _____ IN
FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN
BREAKER TYPE _____ GAL.-LB. _____ IN
BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN
PERFPAC BALLS TYPE _____ QTY.
OTHER 200# Salt - 75# Superflush
OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>E. Reynolds</u>	<u>RM-HT-40</u>	
<u>K. Legg</u>	<u>2591</u>	<u>Oberlin, KS</u>
<u>J. Keenan</u>	<u>Bm</u>	
	<u>3846</u>	<u>Oberlin, KS.</u>
<u>G. Bryant</u>	<u>Bm</u>	
	<u>50181</u>	<u>Oberlin, KS.</u>

DEPARTMENT Cementing

DESCRIPTION OF JOB Cement 5 1/2" Csg

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Jerry Pritchard

HALLIBURTON OPERATOR Ed Reynolds COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>90</u>	<u>HDL</u>			<u>1/4" Flocel</u>	<u>3.62</u>	<u>10.7</u>
	<u>150</u>	<u>HLC</u>			<u>1/4" Flocel</u>	<u>1.84</u>	<u>12.7</u>
	<u>75</u>	<u>50/50</u>			<u>2b Gel-58 Salt - .25 D-Air</u>	<u>1.27</u>	<u>14.3</u>

REC-11/10/92
KANSAS COPY

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
BREAKDOWN _____ MAXIMUM _____
AVERAGE _____ FRACTURE GRADIENT _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____
ORDERED _____ AVAILABLE _____
TREATING _____ DISPL. _____ OVERALL _____
FEET 16.60 REASON Shoe Joint

PRESLUSH: BBL. 18.0 TYPE Salt flush
LOAD & BKDN: BBL.-GAL. _____ PAD: BBL. 70-Superflush
TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 65.5
CEMENT SLURRY: BBL.-GAL. _____
TOTAL VOLUME: BBL.-GAL. _____

REMARKS

See Job log & Chart
Cement did not Circulate
Thank you

CUSTOMER: Mustang Oil & Gas Corp
LEASE: Williams Lease
WELL NO: #4
JOB TYPE: 5 1/2" Long String
DATE: 9-29-91 16-60-6

Phone 913-483-2627, Russell, Kansas

15-193-20571-00-00

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ORIGINAL ALLIED CEMENTING CO., INC.

No 2143

c-100

Home Office P. O. Box 31

Russell, Kansas 67665

Date	9-26-91	Sec.	23	Twp.	7 ^s	Range	31 ^w	Called Out	4:30 P.M.	On Location	7:30 P.M.	Job Start	8:45 P.M.	Finish	9:15 P.M.
Lease	Williams	Well No.	4 (WSW)				Location	Rexford 2 1/2 S W. Side			County	Thomas	State	Ks.	
Contractor	Mallard Joint Venture Rig #1							Owner	Same						
Type Job	Set Surface Pipe														
Hole Size	12 1/4"		T.D.	272'											
Csg.	8 5/8"		Depth	269'											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum	-											
Meas Line			Displace	X											
Perf.															

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 Oil & Gas

Street _____

City _____ State _____

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

Purchase Order No. _____

X Jerry Pretahard

CEMENT

Amount Ordered 160 sks 6 1/4 poz. 22 gal, 36 c.c.

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Handling e 1.00/sk.

Mileage e 0.44/sk. /mi.

Sales Tax _____

Sub Total _____

Total _____

Floating Equipment Thanks

1/10/92
RECEIVED
KANSAS CORPORATION COMMISSION

EQUIPMENT

Pumptrk	No.	Cementer	Gary H.
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk #212		Driver	Joe S.
		Driver	

DEPTH of Job

Reference #1	Pumptruck - surface
#13	mileage e 2.00/mi.
	1-8 5/8" wooden plug
	Sub Total
	Tax
	Total

Remarks: Cement Circulated.

JAN 10 1992

CONSERVATION DIVISION
WICHITA, KS