

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

5

API NO. 15-.....051-24,563.00.00.....
County.....Ellis.....
.....NE. SW. NE. Sec. 34. Twp. 12S Rge. 16E..... East
..... West

Operator: License #5652.....
NameMustang Companies, Inc.....
AddressP.O. Box 1609.....
City/State/ZipGreat Bend, KS 67530.....

.....3630..... Ft North from Southeast Corner of Section
.....1650..... Ft West from Southeast Corner of Section
(Note; Locate well in section plat below)

Purchaser.....

Lease Name.....Froelich "F"..... Well #.....7.....

Operator Contact PersonJ.P. Meroney.....
Phone316-792-7323.....

Field Name.....

Producing Formation.....

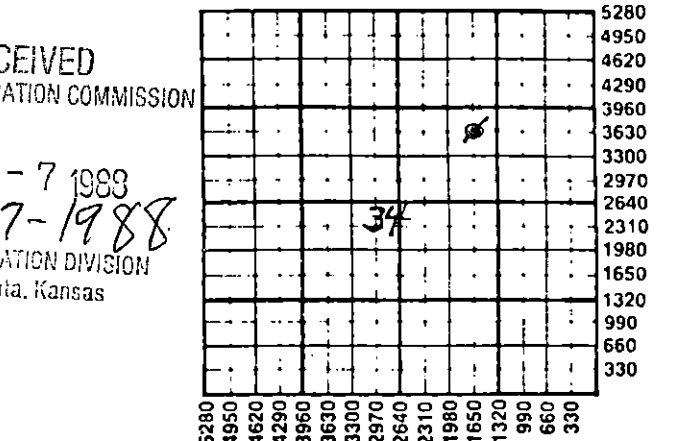
Contractor: License #4083.....
NameWestern Kansas Drilling, Inc.....

Elevation: Ground.....2037'..... KB.....2042'.....

Wellsite Geologist.....Bob Gebhart.....
Phone.....316-267-7209.....

Section Plat

Designate Type of Completion
 New Well Re-Entry Workover



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

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # Repressuring

If OMWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth.....

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SEP - 7 1988
9-7-1988
CONSERVATION DIVISION
Wichita, Kansas

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
8-3-88 8-9-88 8-9-88
Spud Date Date Reached TD Completion Date
3565'
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 266 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name
Invoice #
A-L-I D&A

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit #.....
 Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain) Purchased from farmer.....
(purchased from city, R.W.D. #)

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. 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
Title..... President..... Date 9-6-88.....

Subscribed and sworn to before me this 6th day of September 1988
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)
9-7-88
Form ACO-1 (5-86)

NOTARY PUBLIC - State of Kansas
PAMELA K. WALTERS
My Appl. Exp. 8-25-91

Sec. 34 Twp. 12S Rge. 16E

SIDE TWO

Operator Name Mustang Companies, Inc. Lease Name..... Froelich "F" Well #..7.....

Sec. 34 Twp. 12S Rge. 16 East West County..... Ellis

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 No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

See Attached Sheet

Formation Description
 Log Sample

Name	Top	Bottom
Heebner	3206	-1164
Toronto	3224	-1182
Lansing	3255	-1213
Base Kansas City	3494	-1452
Arbuckle	3513	-1471
RTD	3565	-1523

CASING RECORD <input 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#/ft.	266'	60/40 poz.	150	3%cc. 2% gel
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

MUSTANG COMPANIES, INC.
 P.O. BOX 1609
 Great Bend, KS 67530

Operator License #5652

Attachment to ACO-1

RE: Froelich "F" #7, Ellis County
 API# 15=051-24,563

Drill Stem Tests

DST # 1 from: 3206' - 3245'

TIMES: 30"-30"-5"-0"
 Very weak blow 3"- died
 No blow 2nd opn. Flushed tool
 no help.
 REC: 10M
 IFP = 45-45 #
 ISIP = 45 #
 FFP = 45-45 #
 FSIP = none taken.
 IHP = 1552 # - FHP = 1543 #
 BHT = 101° F

DST # 2 from: 3240' - 3310'

TIMES: 30"-45"-60"-45"
 Fair to good blow each opng.
 REC: 580' FLUID

	OIL	MUD	WTR
100' M	0%	100%	0%
120' 50CMW	2%	95%	0%
120' 50CMW	5%	35%	25%
90' 50CMW	5%	25%	55%
150' 0 spk W	3%	10%	80%

Remainder gas %
 IFP = 155-210 #
 ISIP = 421 #
 FFP = 219-302 #
 FSIP = 402 #
 IHP = 1598 # - FHP = 1580 #
 BHT = 101° F
 Pit Chl = 8,000 DST Chl = 78,000

DST # 3 From: 3370' - 3435'

TIMES: 30"-45"-30"-45"
 1) Fair blow "bis in wtr. died 28"
 2) 2nd blow died 3mm.
 REC: 180' FLUID

	OIL	MUD	WTR
60' 56' OCM	1%	80%	15%
60' 56' OCMW	1%	54%	38%
60' 56' OCMW	1%	56%	40%

Remainder % = gas.
 IFP = 109-109 # sli. plugging
 ISIP = 1229 #
 FFP = 109-128 # sli. plugging
 FSIP = 1165 #
 IHP = 1709 # + FHP = 1672 #
 BHT = 112° F
 Pit Chl = 8,000 DST chl = 32,000

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 Wichita, Kansas

DST # 4 From: 3491' - 3518'

TIMES: 30"-45"-15"-30"
 1st. Opn. = V. weak died 26ms.
 2nd. " = Noblow. Flushed tool
 v. weak blow died 2ms.
 REC: 1 ft. clean oil
 25 ft OCM
 IFP = 54-54 #
 ISIP = 1027 # building
 FFP = 54-54 #
 FSIP = 880 # building
 IHP = 1783 # + FHP = 1746 #
 BHT = 104° F

15.051.24563.00.00

627, Russell, Kansas

Phone Plainville 913-434-2812

3-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 3393

Home Office P. O. Box 31

Russell, Kansas 67665

Date	8-9-88	Sec.	34	Twp.	12	Range	16	Called Out		On Location	9:00 AM	Job Start		Finish	1:15 PM
Lease	Froelich		Well No.		F-7		Location		Walker 6N-14W-12N		County	Ellis		State	Kan
Contractor	Western Kansas Digs														
Type Job	Plus														
Hole Size	7 7/8		T.D.		3565'										
Csg.	8 5/8		Depth												
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.	SEP 7 1988														

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 Co.
Street Box 1609
City Great Bend State KS 67530

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

Purchase Order No. Bell Plains
MISSION CEMENT

EQUIPMENT CONSERVATION DIVISION
Wichita Kansas

Pumptrk No. 83	Cementers	Walt
	Helper	Will
Pumptrk No. 160	Cementers	
	Helper	
Bulktrk 160	Driver	Scott
Bulktrk	Driver	

Amount Ordered	196 SKS 60/40oz, 6% tel, 3% CC	
Consisting of	1 SK Flo Seal	
Common	117 SKS @ 5.00	585.00
Poz. Mix	70 SKS @ 2.25	157.50
Gel.	10 SKS @ 6.75	67.50
Chloride	5 SKS @ 20.00	100.00
Quickset		
Flo Seal	1 SK @ 40.00	40.00
Sales Tax		

DEPTH of Job		
Reference	Pumptruck	360.00
	Plus	20.80
	100 per mile	19.00
	Sub Total	
	Tax	
	Total	399.80

Handling	90¢ per SK	175.50
Mileage	3¢/SK/Mile	11.15
Sub Total		
Total		1254.65
Floating Equipment		

Remarks:

- 25 SKS @ 3453'
- 25 SKS @ 1230'
- 80 SKS @ 710'
- 40 SKS @ 270'
- 10 SKS @ 40'
- 15 SKS in R.H.

Thank You