

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

Operator: License # 3481
Name ..Mohawk Petroleum
Address ..P.O. Box 2082
City/State/Zip ..Hutchinson, KS..67504-2082

Purchaser

Operator Contact Person ..Dean Pattison
Phone ..316-689-8393

Contractor: License # 5929
Name ..Duke Drilling Co., Inc.

Wellsite Geologist

Designate Type of Completion
 New Well Re-Entry Workover

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
..12-15-88 ..12-21-88 ..12-22-88
Spud Date Date Reached TD Completion Date
..4440.....
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 221 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 # ..

API NO. 15-077-21,185-0000
County...Harper
App. 130' E of
SW NW NW Sec. 27 Twp. 31 Rge. 8 East
..... XX West

4290 Ft North from Southeast Corner of Section
4820 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

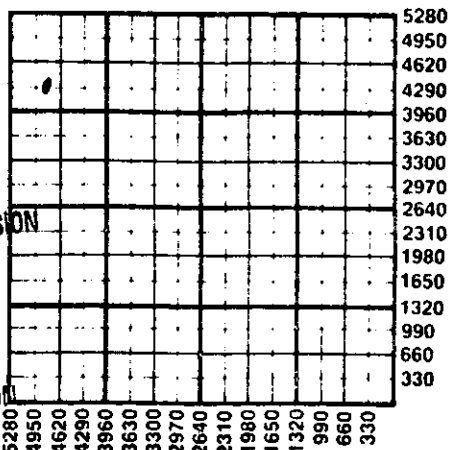
Lease Name...Muir Well # 2-27

Field Name.....

Producing Formation.....

Elevation: Ground...1568 KB...1576

Section Plat



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Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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 4290 Ft North from Southeast Corner
(Stream, pond etc.) 2180 Ft West from Southeast Corner
Sec 26 Twp 31 Rge 8 East X West

Other (explain).....
(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 ..
Mohawk Petroleum, Inc., By: John D. Bachand
Title.....Secretary..... Date 1/6/89

Subscribed and sworn to before me this 6th day of January 1989...
Notary Public.....Debra L. Keller
Date Commission Expires.....May 12, 1990

DEBRA L. KELLER
Notary Public - State of Kansas
My Appt. Expires 5-12-90

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
1-9-89 X

Sec 27 Twp. 31 Rge. 8

Operator Name Mohawk Petroleum Lease Name Mujr Well # 2-27

Sec. 27 Twp. 31 Rge. 8 East West County Harper

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

Formation Description
 Log Sample

Name Top Bottom

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"	20#	221	60/40 noz	145	
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							
Date of First Production	Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	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

Operator Name **Mohawk Petroleum** Lease Name **Muir** Well # **2-27**

Sec. **27** Twp. **31** Rge. **8** East West County **Harper**

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

Formation Description
 Log Sample

DST #1: 4416-4425; 30/60/60/90, IHP: 2320#
 IFP: 36-36#, ISIP: (164#) 733# () indicates multiple buildup. FFP: 45-54#, FSIP: (219#) 935# () curve didnt break over. FHP: 2301#
 DST #2: 4425-44440; 30/60/60/90, IHP: 2338#
 IFP: 45-64#, ISIP: 1147# (curve did break over)
 FFP: 91-119#, FSIP: 862# (curve did break over) FHP: 2320#

Name	Top	Bottom
Heebner	3367	
Toronto	3402	
Douglas	3424	
Haskell	3595	
Stalnaker	3642	
Lansing	3753	
Kansas City	3894	
Stark	4042	
Hushpuckney	4070	
Base Ks. City	4152	
Marmaton	4186	
Pawnee	4246	
Labette	4276	
Cherokee	4288	
Mississippi Chert	4411	

Initial Flow Period: Fair, off bottom in 6.5 min., No GTS

Final Flow Period: Weak, off bottom in 22 min., No GTS

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"	20#	221	60/40 noz	145	
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).....						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	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

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 CONSERVATION DIVISION
 Wichita, Kansas

15-077 21185-0000

DRILLER'S WELL LOG

DATE COMMENCED: December 15, 1988
DATE COMPLETED: December 22, 1988

Mohawk Petroleum
MUIR #2-27
App. 130' E of SW NW NW
Sec. 27, T31S, R8W
Harper County, Ks.

ELEVATION: 1576 K.B.

0 - 35'	Surface Soil, Sand
35 - 321'	Red Rock, Shale
321 - 1289'	Red Bed, Shale
1289 - 3316'	Lime & Shale
3316 - 3320'	Shale
3320 - 3364'	Lime & Shale
3364 - 3559'	Shale
3559 - 4078'	Lime
4078 - 4112'	Shale & Lime
4112 - 4176'	Lime, Shale & Chert
4176 - 4214'	Lime
4214 - 4425'	Sand
4425 - 4440'	Chert & Lime
4440'	RTD

Surface Pipe: Set new
8-5/8", 20# pipe @221'
w/145 sacks 60/40 pozmix

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CONSERVATION DIVISION
Wichita, Kansas

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

John Armbruster of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

John J. Armbruster

Subscribed and sworn to before me this 28 day of December 1988.

Dorothy M. Hague
Notary Public

