

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 # 5242
Name Petroleum Management, Inc.
Address 400 North Woodlawn, Suite 201
City/State/Zip Wichita, Kansas 67208

Purchaser Koch Oil Company
Wichita, KS

Operator Contact Person Steve O'Neill
Phone 316/686-7287

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist R. Gregory Williams
Phone 316/686-7287

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
1/30/88 2/7/88 2/29/88
Spud Date Date Reached TD Completion Date
3,829' 3742'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 260 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from 3833 feet depth to surface, 550 SX cmt
Cement Company Name Howco
Invoice # 65107

API No. 15-065-22,434-0000
County Graham
NW/4 SE/4 NW/4 14 6S 21W East
Sec. Twp. Rge. West

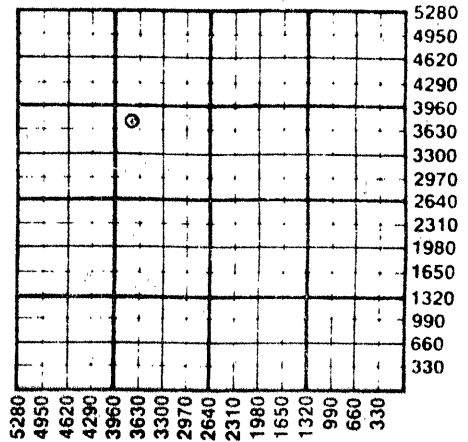
3655 Ft North from Southeast Corner of Section
3695 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Holmquist-Lagerberg Well # 5
Field Name Pioneer Northeast

Producing Formation Lansing-Kansas City

Elevation: Ground 2289' KB 2294'

Section Plat



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 # T 88-59

GroundwaterFt North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water 3300 Ft North from Southeast Corner
(Stream, pond etc.) 3300 Ft West from Southeast Corner
Sec 9 Twp 6 Rge 21 East West

BowCreek-Roy Voss, Densmore, Ks. 67633
 Other (explain)
(purchased from city, R.W.D. #)

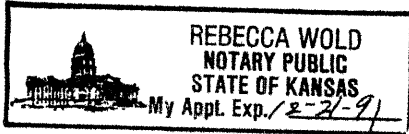
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 Steven P. O'Neill
Title Petroleum Engineer Date 3/14/88

Subscribed and sworn to before me this 15th day of March 1988
Notary Public Rebecca Wold
Date Commission Expires 12-21-91

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)



CONSERVATION DIVISION
Wichita, Kansas
316-88

Operator Name Petroleum Management, Inc. Lease Name Holmquist-Lagerberg 4 5 Well #.....

Sec. 14 Twp. 6S Rge. 21W East West County Graham

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 3593'-3625'
 Open 45 min. Closed 45 min. Open 45 min.
 Closed 60 min. Recovered 10' clean oil, 186'
 of slightly oil cut muddy water and 372' of
 water.

IFP 59-204 psi FFP 228-234
 ISIP 953 FSIP 934
 IMP 1832 FHP 1809

DST #2 3650'-3698'
 Open 45 min. Closed 60 min. Open 45 min.
 Closed 60 min. Recovered 550' of gas, 440'
 of clean oil and 186' of oil cut mud.

IFP 69-179 FFP 197-275
 ISIP 997 FSIP 908
 IMP 1866 FHP 1844

DST #3 3699' to 3730'
 Open 30 min. Closed 30 min. Open 30 min.
 Closed 30 min.

IMP 1878 FHP 1855
 IFP 33-35 FFP 36-36
 ISIP 445 FSIP 320

Name	Top	Bottom
Heebner	3492'	
Toronto	3520'	
Lansing	3536'	
Kansas City	3599'	3722'
Marmaton	3748'	
Precambrian	3791'	
R.T.D.	3833'	

RELEASED
 4-17-89
 APR 17 1989
 FROM CONFIDENTIAL

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"		257'	60/40 Poz	165	2% Gel 3%CC
Production	7 7/8"	4 1/2"	10.5#	3,784'	60/40 Poz Econolite	250 300	2% Gel 3%CC

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3704', 3673', 3650', 3622', 3596', and 3580' 1 foot each	Squeezed with 30 sxs	
4	3677-80' (3), 3691-93' (2), 3655-58' (3)	1500 Gal 15% MCA	

TUBING RECORD Size 2 3/8 Set At 3741' Packer at N/A Liner Run Yes No

Date of First Production Feb. 29, 1988 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	50 Bbls	TSTM MCF	20 Bbls	CFPB	

METHOD OF COMPLETION Production Interval

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

Lansing-Kansas City
