

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 Dale Silcott
Phone 686-7287

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Bill Petersen
Phone 721-3359

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD 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
6/10/87 6/18/87 7/28/87
Spud Date Date Reached TD Completion Date
3,782'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 253 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1940 feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt

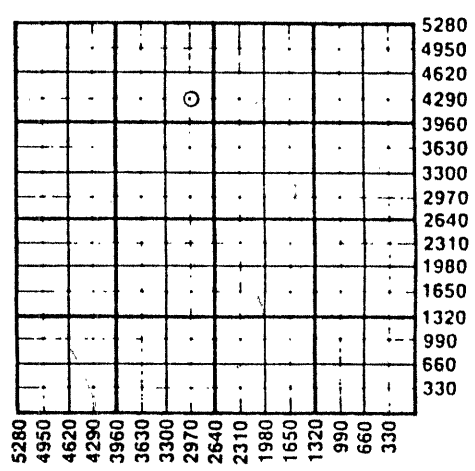
API NO. 15-065-22,375-00-00
County Graham
SE/4 NE/4 NW/4 14 6S 21W East West

4290 Ft North from Southeast Corner of Section
2970 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Holmquist-Lagerburg Well # 4
Field Name Pioneer East

Producing Formation Lansing-Kansas City

Elevation: Ground 2264' KB 2269'
Section Plat



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

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 3300 Ft North from Southeast Corner (Stream) pond etc 3300 Ft West from Southeast Corner Sec 9 Twp 6 Rge 21 East West
Roy L. Voss, Densmore, Ks. 67633
 Other (explain)
(purchased from city, R.W.D. #)

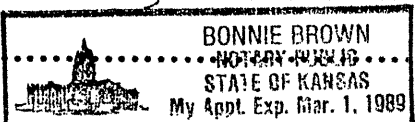
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held 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 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 R. Gregory Williams
Title Geologist Date 10/14/87

Subscribed and sworn to before me this 14th day of October 1987
Notary Public

Date Commission Expires



K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
OCT 15 1987 (Specify)

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

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

East
 West

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 3559-3578'
 Open 45 min, shut in 45 min, open 45 min, shut in 45 min. First open period: strong blow off bottom of bucket in three minutes. Second open period: strong blow off bottom of bucket in four minutes. Recovered 1405' of salt water.
 IFP 222-594 FFP 664-825
 ISIP 1123 FSIP 1112

DST #2 3577-3614'
 Open 45 min, shut in 45 min, open 45 min, shut in 45 min. First open period: weak blow that died then came back and blew 1/2" in bucket. Second open period: no blow. Recovered 61' of drilling mud w/trace of oil.
 IFP 74-74 FFP 74-74
 ISIP 1205 FSIP 1173

DST #3 3643-3680'
 Open 30 min, shut in 30 min, open 30 min, shut in 30 min. First open period: steady blow increasing to off bottom of bucket in 18 min. Second open period: steady blow increasing to off bottom of bucket in 14 min. Recovered 270' of gas, 40' of clean gassy oil, 310' of gassy mud cut oil (gravity 41°).
 IFP 70-105 FFP 129-164
 ISIP 1180 FSIP 1135

Name	Top	Bottom
Base Ft. Hays	488	
Anhydrite	1906	
Base Anhydrite	1936	
Winfield	2426	
Ft. Riley	2483	
Wrefard	2604	
Council Grove	2626	
Neva	2810	
Admire	2964	
Top Pennsylvanian	3004	
Tarkio	3166	
Topeka	3272	
Lecompton	3391	
Oread	3428	
Heebner	3476	
Toronto	3500	
Douglas	3510	
Lansing-Missourian	3516	
Kansas City	3578	
Base Kansas City	3705	
Marmaton	3730	
Pennsylvanian Conglomerate	3749	
Arbuckle	3774	
PreCambrian	3780	
T.D.	3786	

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"	23#	260'	60/40 Poz	220	2% Gel 3% CC
Production	7 7/8"	5 1/2"	15#	3,781'	60/40 Poz	100	10% Salt
					50/50 Poz	385	6% Gel

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	3670-74'; 3658-66';	500 gal 15% MCA	3670-74'
		1500 gal 15% SGA	3658-66'

TUBING RECORD Size 2 3/8" Set At 3750' Packer at _____ Liner Run Yes No

Date of First Production 10/4/87 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
➔	50		50		

RELEASED
 11-10-88
 NOV 10 1988
 CFPB

FROM CONFIDENTIAL

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