

SIDE ONE

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 # 5598
Name Pan Eastern Exploration Co.
Address P.O. Box 351
City/State/Zip Liberal, KS 67905-0351

Purchaser: N/A

Operator Contact Person M. L. Pease
Phone (316) 624-6253

Contractor: License # 5842
Name Gabbert-Jones, Inc.

Wellsite Geologist: N/A

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

7/27/87 7/13/87
Spud Date Date Reached TD Completion Date

2870 2850
Total Depth PBDT

Amount of Surface Pipe Set and Cemented at 616 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. 15-129-20,870-00-00

County: Morton

App. C SW Sec. 31 Twp. 33 Rge. 39 East West

1250 Ft North from Southeast Corner of Section
3957 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name: Hayward "U" Well # 1H

Field Name: Hugoton

Producing Formation: Chase

Elevation: Ground 3280.6 KB

Section Plat

Table with 10 columns and 10 rows representing a section plat grid. The vertical axis on the right is labeled with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. The horizontal axis at the bottom is labeled with elevations: 5280, 4950, 4620, 4290, 3960, 3630, 3300, 2970, 2640, 2310, 1980, 1650, 1320, 990, 660, 330. A star symbol is located in the center of the grid.

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
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

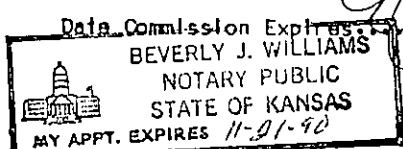
Other (explain) Contractor provided water.
(purchased from city, R.W.D. #)

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 M. L. Pease
Title: Division Production Manager Date: 9/22/87

Subscribed and sworn to before me this 22nd day of Sept 1987
Notary Public Beverly J. Williams



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

Sec. 31, Twp. 33, Rge. 39

Operator Name Pan Eastern Exploration Co. Lease Name Hayward "I" Well # 111

Sec. 31 Twp. 33S Rge. 39 East West County Morton

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
Sand-Shale	0	35
Sand-Shale-Redbed	35	618
Redbed-Shale	618	818
Shale-Redbed	818	1265
Shale	1265	1276
Glorietta Sand	1276	1436
Shale	1436	2736
Lime	2736	2870
TD		2870

RELEASED

OCT 20 1988

FROM CONFIDENTIAL

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	616	75/25 Poz Common	230	2%cc + 1/4# cel
Production	7 7/8	5 1/2	14	2870	20% DC-D 10% DC-D	150 200 40	3%cc + 1/4# cel 2%cc + 1/4# cel 2%cc + 1/4# cel
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	NCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

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

BW

GABBERT-JONES, INC.
WICHITA, KAS.

DRILLERS WELL LOG

HAYWARD L-1H
1250' FS & WL Sec. 31-33S-39W
STEVENS COUNTY, KANSAS

COMMENCED: 7-27-87

COMPLETED: 7-31-87

OPERATOR: PAN EASTERN EXPLORATION COMPANY

DEPTH		Formation	Remarks
From	To		
0	35	Sand-Shale	Ran 14 jts. of 24# 8 5/8" csg
35	618	Sand-Shale-Redbed	LD @ 616' w/230 sks 75/25 Posmix
618	818	Redbed-Shale	2% CC - 1/4# Celoflake - 150 sks
818	1265	Shale-Redbed	Common 3% CC - 1/4# Celoflake
1265	1276	Shale	PD @ 5:15 AM 7-28-87.
1276	1436	Glorita Sand	
1436	2736	Shale	Ran 71 jts of 14# 5 1/2" csg.
2736	2870	Lime	LD @ 2870 w/200 sks Class C
	2870 TD		20% DCD - 2% CC - 1/4# Celoflake
			40 sks Class C - 10% DCD
			2% CC - 1/4# Celoflake
			CP @ 2:15 AM 7-31-87
			Rig release 3:15 AM 7-31-87.

RELEASED

OCT 20 1988

FROM CONFIDENTIAL

SEP 23 1987

STATE OF KANSAS)
)
COUNTY OF SEDGWICK)

I, the undersigned, being duly sworn on oath, state that the above Drillers' Well Log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.

[Signature]
James S. Sutton, II - President

SEP 24 1987

Subscribed & sworn to before me this 3rd day of August 1987.

[Signature]
Lola Lenore Costa - Notary Public

My Commission expires 11-21-88

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH