

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

Soc. 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

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 + 4# cel
Production	7 7/8	5 1/2	14	2870	20% DC-D 10% DC-D	200 40	2%cc + 4# cel 2%cc + 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				Size	Set At	Packer at	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) Delayed
 Used on Lease Dually Completed
 Commingled

ORIGINAL

RELEASED

FEB 18 1991

FROM CONFIDENTIAL

Attachment

API NUMBER: 15-129-20,870
Hayward "L" No. 1H
App. C SW
Section 31-33S-39W
Morton County, Kansas

FORMATION

Blaine
Cedar Hills
Stone Corral
Chase
Council Grove
TD

TOP

1130
1272
1702
2495
NA

BOTTOM

1238
1432
1732
NA
NA
2870

STATE OF KANSAS
MORTON COUNTY

FEB 18 1991

CONSERVATION DEPARTMENT
Wichita, Kansas