

Operator Name Helmerich & Payne, Inc. Lease Name Home Royalty Well # A-2
 Sec. 17 Twp. 31s Rge. 34 East County Seward
 West

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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E-Logs Run:
 GR-DIFL
 GR Minilog-CN-2DL
 Diplog

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
Heebner	3961	-1094
Lansing "A"	4035	-1168
Lansing "B"	4073	-1206
Kansas City "A"	4524	-1657
Kansas City "B"	4588	-1721
Chester	5532	-2665

CASING RECORD

New Used

Report all strings out-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
Conductor	30"	20"			65/35 Poz C	300	6% gel, 1% flake
					50/50 Poz	100	2% gel, 10% salt
Surface	12 1/4	8-5/8	24	1670	65/35 Poz C	515	6% gel, 2% CC, 1% flake
					Class C	150	2% CC, 1% flake
Production	7-7/8	5 1/2	17'	5780	50/50 Poz C	275	2% gel, 10% salt, 1% flake

Case	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TB				
Plug Off Zone				

DV@3142

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	Chester 5532-35, 5543-60, 5563-73	Acidize w/ 1500 gal 7 1/2% HCl	
		Frac w/ 32000 gal Co2 foam and 50000# 16/30 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	5517		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
of First, Resumed Production, SMD or Inj.	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-24-94 State Test				
Estimated Production Per-24 Hours	Oil Sbls. 30	Gas 931	Water 12	Gas-Oil Ratio 31033 Gravity 0.668

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Production Inter 5532-5573

Computer Inventoried 15-175214530000

Home Royalty A-3
2220' FNL 1915' FWL Section 17 T31S R34W
Seward County, Kansas

DST Summary

DST #1 Upper Chester 5,367' - 5,400'

Packer failure misrun

DST #2 Upper Chester 5,320' - 5,400'

IH	= 2,606 psig	Drill pipe Recovery:
30" IFP	= 65 - 65 psig	20 feet drilling mud
60" ISIP	= 132 psig	
45" FFP	= 69 - 100 psig	Sampler: 4,000 ml mud
90" FSIP	= 130 psig	
FH	= 2,555 psig	

DST #3 Lower Chester 5,448' - 5,549'

IH	= 2,836 psig	Drill pipe Recovery:
30" IFP	= 22 - 24 psig	10 feet drilling mud
60" ISIP	= 43 psig	
45" FFP	= 25 - 26 psig	
90" FSIP	= 37 psig	
FH	= 2,676 psig	

DST #4 Kansas City "B" 4,558' - 4,622'

Misrun tool failure

DST #5 Kansas City "B" 4,557' - 4,622'

IH	= 2,349 psig	Drill pipe Recovery:
30" IFP	= 350 - 560 psig	1,364' watery mud
60" ISIP	= 1,312 psig	
60" FFP	= 599 - 787 psig	
120" FSIP	= 1,312 psig	Sampler: 315 ml water, 2,835 ml mud
FH	= 2,221 psig	

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