

Operator Name COLT ENERGY, INC. Lease Name HAZEN Well 12
 Sec. 2 Twp. 23 S. R. 16 X East West County COFFEY

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <u> </u> Yes <u> X </u> No (Attach Additional Sheets) Samples Sent to Geological Survey <u> X </u> Yes <u> </u> No Cores Taken <u> X </u> Yes <u> </u> No Electric Log Run <u> X </u> Yes <u> </u> No (Submit Copy) List All E. Logs Run: GAMMA RAY/NEUTRON	<u> </u> Log Formation (Top), Depth and Datum <u> </u> Sample Name <u> </u> Top <u> </u> Datum SEE ATTACHED DRILLERS LOG
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CASING RECORD X 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	10.75	7"	19	44	50/50 POZ MIX	40SXS	1% PREMIUM GEL
PRODUCTION	5 5/8	2 7/8	6.4	990.90	50/50 POZ MIX	160SXS	5% PREMIUM GEL

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<u> </u> Perforate				
<u> </u> Protect Casing				
<u> </u> Plug Back TD				
<u> </u> Plug Off Zone				

Shots Per/F	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	2" DML RTG 961-969	GALS HCL 15% ACID	
		# 12/20 SAND	

TUBING RECORD		Set At	Packer At	Liner Run <u> </u> Yes <u> </u> No
Date of First, Resumed Production, SWD or Enhr		Producing Method: <u> </u> Flowing <u> X </u> Pumping <u> </u> Gas Lift		
Estimated Production/24hrs	Oil Bbls	Gas Mcf	Water BBLs.	Gas-Oil Ratio Gravity

Disposition Of Gas Vented Sold Used on Lease Open Hole X Perf. Dually Compl. Commingled
 (If vented Submit ACO-18) Other (Specify)

DRILLERS LOG

API NO. 15-031-218830000

S. 2 T. 23 R. 16E

OPERATOR: COLT ENERGY, INC

LOCATION: SW SE NE

ADDRESS: P.O. BOX 388 IOLA, KS 66749

COUNTY: COFFEY

WELL #: 12 LEASE NAME: HAZEN

FOOTAGE LOCATION: 2815 FEET FROM SOUTH LINE 1248 FEET FROM EAST LINE

CONTRACTOR: FINNEY DRILLING COMPANY GEOLOGIST: GENE VINCENT

SPUD DATE: 09-27-00 TOTAL DEPTH: 996

DATE COMPLETED: 10-2-00 OIL PURCHASER: PLAINS

S/N 957.70

CASING RECORD

PURPOSE OF STRING	SIZE OF HOLE	SIZE OF CASING	WEIGHT LBS/FT	SETTING DEPTH	TYPE CEMENT	SACKS	TYPE AND % ADDITIVES
SURFACE:	10.75	7"	19	44	TYPE A	55	SERVICE COMPANY
PRODUCTION:	5 5/8	2 7/8 10 RD	6.5	990.90	TYPE A	125	SERVICE COMPANY

WELL LOG

CORES: 961 TO 975
DST: NO
OPEN HOLE LOG: NO

RAN: 1 FLOATSHOE
3 CENTRALIZERS
6 SCRATCHERS
1 CLAMP
1 COLLAR
1 SEAT NIPPLE

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
TOP SOIL	0	3	SHALE	783	835
CLAY	3	25	LIMESTONE	835	837
RIVER GRAVEL	25	30	SHALE	837	847
SHALE	30	153	LIMESTONE	847	852
LIMESTONE	153	186	SHALE	852	868
SHALE	186	194	LIMESTONE	868	871
LIMESTONE	194	237	SHALE	871	887
SHALE	237	314	LIMESTONE	887	892
LIMESTONE	314	328	SHALE	892	910
SHALE	328	347	LIMESTONE	910	916
LIMESTONE	347	425	SHALE	916	922
SHALE	425	452	LIMESTONE	922	925
LIMESTONE	452	456	SHALE	925	959
SHALE	456	471	LIMESTONE	959	960
LIMESTONE	471	585	SHALE	960	962
SHALE	585	748	LIMESTONE	962	963
LIMESTONE	748	751	SAND	963	969
SHALE & LIME	751	760	SHALE	969	996 T.D.
SHALE	760	762			
LIMESTONE	762	763			
SHALE	763	772			
LIMESTONE	772	780			
SHALE	780	782			
LIMESTONE	782	783			