

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGAPI No. 15 — 083 — 20,769
County Number

Operator

Buttonwood Petroleum, Inc.

Address

Box 1869, Liberal, Kansas 67901

Well No.

1

Lease Name

HAYS

Footage Location

660

feet from (N) (S) line

660

feet from X85 (W) line

Principal Contractor

Freeman Drilling Company

Geologist

Spud Date

10-27-80

Date Completed

11-10-80

Total Depth

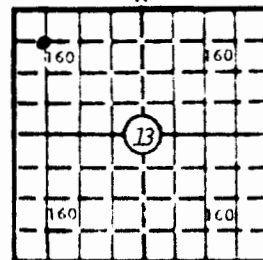
4597'

P.B.T.D.

4536'

Directional Deviation

Oil and/or Gas Purchaser

State Geological Survey
Wichita Branch
S. 13 T. 23 R. 23
County Hodgeman640 Acres
N

Locate well correctly

2288

Elev.: Gr.

DF 2292

KB 2300

CASING RECORD

Report of all strings set— surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8 5/8"	20#	467'	common	225	2%gel, 3%cc
Production	7 7/8"	4 1/2"	10.5#	4592'	class H 50/50 pozmix	50 150	8%gel 18%salt, .75%CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			6 holes total	.38 DML	4512-4515
TUBING RECORD					
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% gelled acid with nitrogen	4512-4515
1000 gal 15% NE acid	"

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS		Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

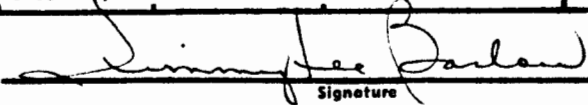
Operator Buttonwood Petroleum, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry Hole
Well No. 1	Lease Name HAYS	
S 13 T 21 S R 23 EX W		

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Shale		1520		
Lime & Shale		1986		
Shale		2254		
Lime & Shale		2488		
Shale		3083		
Shale & Lime		3245		
Shale		3370		
Lime & Shale		3592		
Shale & Lime		3784		
Lime & Shale		4597RTD		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				

Date Received	 Signature	
	Agent/Buttonwood Petroleum, Inc.	
	Title	
	February 24, 1981	
		Date

KANSAS DRILLERS LOG

COMPANY Buttonwood Petroleum, Inc.

SR. 13 T. 21 R. 23W
State Geological Survey
WICHITA BRANCH SW

FARM Hays

NO. 1

COUNTY Hodgeman

ROTARY TOTAL DEPTH 4,597'

COMM. October 27, 1980 COMP. November 10, 1980

CONTRACTOR Freeman Drilling Company (Rig #1)

ISSUED November 20, 1980

CASING

10 3/4"

8 5/8" Set at 467' cemented w/225 sxs cement

ELEVATION 2300' K.B.

5 1/2"

4 1/2" Set at 4,592' cemented w/200 sxs cement

FIGURES INDICATE BOTTOM OF FORMATIONS

Shale	1,520'
Lime and Shale	1,986'
Shale	2,254'
Lime and Shale	2,488'
Shale	3,083'
Shale and Lime	3,245'
Shale	3,370'
Lime and Shale	3,592'
Shale and Lime	3,784'
Lime and Shale	4,597'
Rotary Total Depth	4,597'

I hereby certify the above and foregoing to be
a true and correct log of the above described
well as shown by the drilling reports

H-30, INC.

Dean Britting
Dean Britting

State of Kansas)
County of Sedgwick) SS:

Subscribed and Sworn to before me a Notary Public
in and for said county and state this 20th day of
November, 1980.