

KANSAS

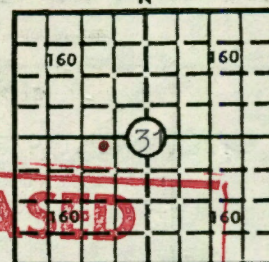
WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey

S. 31 T. 16S R. 22 E

Loc. SW 1/4

County Miami

640 Acres
N

Locate well correctly

Elev.: Gr.

DF KB

PI No. 15 — 121 — 22,481 WICHITA BRANCH
County Number

Operator

Aegean Petroleum, Inc.

Address

P. O. Box 24 Osawatomie, KS 66064

Well No.

A-4

Lease Name

Hollinger

Footage Location

160 feet from (N) line 1720 feet from (W) line

Principal Contractor

T. D. Corporation

Geologist

Jim Stereman

Spud Date

1/23/81

Date Completed

1/26/81

Total Depth

772'

P.B.T.D.

Date: APR 30 1982

Directional Deviation

-

Oil and/or Gas Purchaser

La Jet

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
Production	6 1/4"	4 1/2"	10.5	759.06	Portland A	105	4 sx Prem. Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			29 Holes — 2 per foot	3 1/2" Alum. Strip Jets	679-693
Setting depth	Packer set at				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
400 gal. 15% HCL, 1 gal. ea. I-1, D-4, SS-1, IS-1 (30 bbl fluid)	
frac sand 20/40 1000#, 10/20 5000#, 150# WG-1, 10# Breaker "F"	679-693
(101 bbl wtr)	

INITIAL PRODUCTION

Date of first production 2-20-81		Producing method (flowing, pumping, gas lift, etc.) Pumping			
DATE OF PRODUCTION R 24 HOURS	Oil 2.87 bbls.	Gas MCF	Water 5.79 bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold) Vented			Producing interval(s) Squirrel		

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 Aegean Petroleum, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. A-4	Lease Name Hollinger	Oil
S 31 T 16S R 22 E		

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
Soil and Clay	2	2		
Clay	5	7		
Lime and Clay	1	8		
Lime	4	12	Clay stringer @ 10'	
Sandstone	7	19		
Shale	6	25		
Lime	7	32		
Coal	3	35		
Lime	12	47	Shale stringer @ 42'	
Shale	13	60		
Lime	14	74		
Limey-Shale	2	76		
Lime	4	80		
Shale	21	101	Lime stringer @ 91'	
Lime	5	106	106	
Shaley-Lime	3	109		
Lime	5	114		
Shale	99	213	Lime stringer @ 141'	
Lime	20	233		
Shale	12	245		
Lime	3	248		
Shale	18	266		
Lime	2	268		
Shale	2	270		
Lime	4	274		
Shale	3	277		
Coal	3	280	Gas show	
Shale	12	292		
Lime	14	306		
Shale	16	322		
Lime	25	347	Shale stringer @ 333	
Limey Shale	12	359	Coal stringer @ 350	
Lime	18	377		
Shale	4	381		
Lime	7	388		
Shale	3	391		
Lime	5	396	Bottom of Hertna	
Shale	137	533	Gas show @ 410'	
Lime	2	535	Good oil odor @ 538'	
Limey Shale	5	540		
Shale				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	CONFIDENTIAL Signature Title Date
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DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

JUL

Operator

Aegean Petroleum, Inc.

Well No.

A-4

Lease Name

Hollinger

Oil

31-16-220

S 31 T 16S R 22 E
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
Lime	8	567		
Shale	7	574		
Lime	3	577		
Shale	23	600		
Lime	6	606		
Shale	16	622		
Lime	3	625		
Shale	15	640		
Lime	5	645		
Shale	9	654		
Lime	9	663		
Black Shale	5	668		
Lime	2	670		
Limey Shale	5	675		
Sand Shale	4	679	Core point 679	
Core 679 to	20	699	Lime stringer @ 743	
Shale	73	772 TD		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

Title

Date