

WELL COMPLETION REPORT AND DRILLER'S LOG

**CONFIDENTIAL**

S. 31 T. 16S R. 22 E

AUG

Loc. SE 1/4  
County Miami

API No. 15 — 121 — 22,851  
County Number

Operator  
Aegean Petroleum, Inc.

Address  
P. O. Box 24 Osawatomie, Kansas 66064

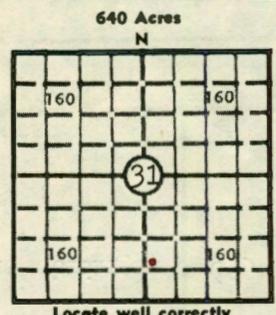
Well No. A-4 Lease Name Loomer

Footage Location  
820 feet from (N) (S) line 160 feet from (E) (W) line

Principal Contractor Cox-Thompson Drilling Geologist Jim Stegeman

Spud Date 6-5-81 Date Completed 6-6-81 Total Depth 760' P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser La Jet



Elev.: Gr.  
**RELEASED**  
Date: JUN 4 1982  
FROM CONFIDENTIAL

**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	8 1/2"	7"		21'	Portland A	93	4 sx 2% Prem. Gel
Production	6 1/4"	4 1/2"	10.5	747.32'			

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			9 Holes == 1 per foot	3 1/2" Alum. Strip Jets	652-660

**TUBING RECORD**

Size	Setting depth	Packer set at

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
300 gal. 15% HCL, 1 gal. ea. I-1, D-3, IS-1 SS-1, (22 bbl fluid)	652-660
frac sand 10/20 1500#, 8/12 2000#, 6/9 2500, 6 gal. D-2, 6 gal. 200# Adomite Aqua, CS2A, 500# Rock Salt, 200# WG-6, 12# Breaker "F", 200 bbl fluid	

**INITIAL PRODUCTION**

Date of first production <u>7-17-81</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>2.15</u> bbls. Gas <u>6.79</u> bbls. Water <u>6.79</u> MCF Gas-oil ratio <u>CFPB</u>
Disposition of gas (vented, used on lease or sold) <u>Vented</u>	Producing interval (s) <u>Squirrel</u>

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 **Agean Petroleum, Inc.** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. **A-4** Lease Name **Loomer** oil

S 31 T 16S R 22 E 9

**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	0	3		
sandstone and lime	3	4	lime stringer	
rock and lime	4	6		
flat rock and clay	6	10		
black shale	10	12		
top rock and lime	12	16		
lime	16	22		
shaley lime	22	23		
shale	23	38		
lime	38	53		
shale	53	76		
lime	76	90		
shale	90	189		
lime	189	209		
shale	209	246		
lime	246	250		
shale	250	267		
lime	267	278		
shale	278	295		
shaley lime	295	320		
shale	320	329		
lime	329	350		
shale	350	354		
lime	354	361		
shale	361	363		
lime	363	369		
shale	369	475	gas show no odor @ 388	
shaley lime	475	478		
shale	478	524	oil show & odor & sand @ 485	
shaley lime	524	527		
shale and lime	527	544		
black shale	544	548		
lime and shale	548	599		
black shale	599	603		
lime and shale	603	635		
black shale	635	642		
shale	642	658	lime stringer @ 655	
core point	658	678		
shale	678	760 TD		

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

Date Received	_____ Signature
	_____ Title
	_____ Date
	COMPLETION