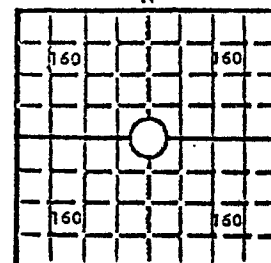


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 049 — 20278
County NumberS. ¹³~~18~~ T. 31 R. 12 ^E~~W~~Loc. SE SE SECounty Elk640 Acres
N

Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

Operator

Jackson - Mann

Address

8650 N. 35th Ave. Phoenix, Arizona

Well No.

1-A

Lease Name

Mann

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

B & N Drilling

Geologist

Spud Date

6/27/74

Total Depth

656

P.B.T.D.

Date Completed

6/29/74

Oil Purchaser

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	Secks	Type and percent additives
Surface	13 3/4	10"		19		CIRCULATED	
Production	9"	7"		650		CIRCULATED	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Secks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

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, 3330 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. 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.

C-10-1972

13-31-12E

Jackson - Mann		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:		
Well No. 13 1A	Lease Name Mann			
S 18 T 31SR 12 E				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
soil	0	14		
clay	14	16		
shale	16	20		
sand & lime	20	25		
shale	25	42		
lime & sand	42	65		
shale	65	146		
lime	146	149		
sand	149	174		
shale	174	442		
sand/lime	442	457		
sandy shale	457	515		
lime	515	518		
shale	518	553		
lime	553	556		
sandy shale	556	638		
lime	638	640		
shale	640	650		
sand	650	656		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	Signature			
	Title			
	Date			