

State Geological Survey KANSAS DRILLERS LOG WICHITA, BRANCH

IMPORTANT
Kans. Geo. Survey request
samples on this well.

27-7-16W

API No. 15 — 163 — 20,498
County Number

Operator

Petroleum Management, Inc.

Address 1515 Vickers KSB&T Building
Wichita, Kansas

Well No.

#1

Lease Name

Hardman "A"

Footage Location

990' South

feet from (N) (S) line

1650' East

feet from (E) (W) line

Principal Contractor

Red Tiger Drilling Company

Geologist

W. H. Petersen

Spud Date

7-30-73

Total Depth

3300'

P.B.T.D.

Date Completed

Abandoned 8-11-73

Oil Purchaser

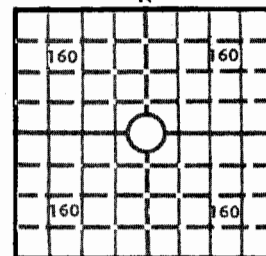
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S. 27 T. 7 R. 16 ^{EX}W

Loc. NE SW SE

County Rooks

640 Acres
N



Locate well correctly

Elev.: Gr. 1897'

DF 1899' KB 1902'

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	24#	215'	Common	150	3% CC
Production	7-7/8	4-1/2	9.5#	2723'	Common	75	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	DP Jets	2606-10'
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal MCA	2606-10'

INITIAL PRODUCTION

Date of first production NONE	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbls.	MCF	bbls.		
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, 3830 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.

Operator

PETROLEUM MANAGEMENT, INC.

DESIGNATE TYPE OF COMP.: ^{C-10-1973} Oil,
 DRY HOLE, SWDW, ETC.:

Well No.

#1

Lease Name

HARDMAN A

DRY HOLE

S 27 T 7 R 16 W ^E_W

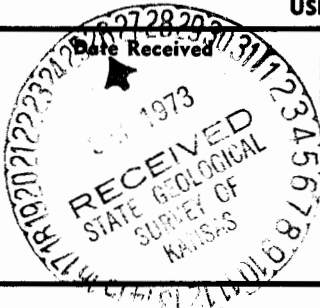
WELL LOG

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
Shale & Shells	0	227	Base Fort Hays	58 +1844
Shale & Clay	227	500	Dakota	435 +1467
Sand & Clay	500	690	Stone Corral	1212 + 690
Shale	690	750	Fort Riley	1943 - 41
Hard Sand	750	757	Root Sand	2604 - 702
Shale & Shells	757	770	Tarkio	2669 - 767
Shale	770	795	Topeka	2825 - 923
Sand	795	870	Toronto	3063 -1161
Shale & Redbed	870	1209	R.T.D.	3300 -1398
Anhydrite	1209	1245		
Shale	1245	1945		
Lime & Shale	1945	2135		
Lime	2135	2290		
Lime & Shale	2290	2560		
Lime	2560	2700		
Lime & Shale	2700	2818		
Lime	2818	3205		
Lime & Shale	3205	3280		
Lime	3280	3300		
Drill Stem Test #1				
2838-2858'				
Op 31 min. Shut in 45 min. Open 31 min. Shut in 46 min.				
Initial blow weak, dead in 20 min. Second flow, no blow.				
Recovered 30' slightly oil cut mud.				
IFP 19 FFP 37 ISIP 137 FSIP 81				

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



W. H. Petersen
 W. H. Petersen Signature

Geologist
 Title

8-31-73
 Date