

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

State Geological Survey
WICHITA BRANCH
4-35-25W

KANSAS DRILLERS LOG

API No. 15 — 025 — 20,318
County Number

Operator

Hawkins Oil & Gas Co.

Address

Box 1578 Liberal, Kansas 67901

Well No.

#1-4

Lease Name

Harrington

Footage Location

660 feet from (N) ~~XX~~ line 1320 feet from (E) ~~XX~~ line

Principal Contractor

DaMac Drilling Company

Geologist

Dave Trumbo

Spud Date

9-12-79

Total Depth

6150'

P.B.T.D.

6098'

Date Completed

9-23-79

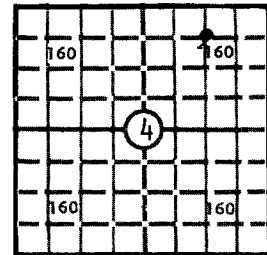
Oil Purchaser

S. 4 T. 35 R. 25 ²W

Loc. C N2 NE

County Clark

640 Acres
N



Locate well correctly
2002'

Elev.: Gr.

DF 2010' KB 2011'

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 casing	12 1/4"	8 5/8"	20#	735'	35/65 poz	250	6% gel, 1/4# celoflake
					Class H	200	2% cc
Prod casing	7 7/8"	4 1/2"	10.5#	6149'	Class H	50	8% gel 12 1/2# Gilsonite
					50/50 poz	150	10% salt
							18% salt, 12 1/2#
							Gilsonite, .75% TIC

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	375, DP	5786-88' 5806-18'
					6070-75' 6079-84'

Size	Setting depth	Packer set at
2 3/8"	5761'	

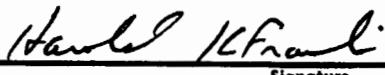
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal 15% HCS acid,	6070-84
1500 gal 15% HCS acid	5786-88 and 5806-18
10,000 gal gelled 2% KCL water fluid loss pad, 20,000 gal 20% HRTA-1 acid, 10,000 gal 2% KCL water flush, all pumped with 40% CO ₂	5786-88 and 5806-18 6070-75 and 6079-84

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
-----	flowing
RATE OF PRODUCTION PER 24 HOURS	Oil 0 bbls. Gas 500 MCF Water 0 bbls. CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval(s) Chester zone
to be sold; awaiting pipeline connection	6070-75; 79-84; 5786-88; 5806-18

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 Hawkins Oil and Gas		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: gas well	
Well No. #1-4	Lease Name Harrington		
S 4 T 35S R 25 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
Sand	0	88	
Sand - Red bed	88	593	
Red Bed - anydrite	593	738	
Anhydrite - shale	738	845	
Red Bed - anydrite	845	2020	
Shale	2020	2977	
Lime 0 shale	2977	6150RTD	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Agent/ Hawkins Oil and Gas Company Title December 21, 1979 Date		

4-22-5210

PLAT AND CERTIFICATION OF ACREAGE ATTRIBUTABLE TO A GAS WELL

State Corporation Commission, Conservation Division

P. O. Box 17027 Wichita, Kansas 67217

OPERATOR Hawkins Oil & Gas Company

LOCATION OF WELL

LEASE Harrington

660 feet from the north line

WELL NUMBER 1-4

1320 feet from the east line

Of the NE/4 of Sec. 8 T. 35S R. 25W

FIELD _____

COUNTY Clark

ORDER GRANTING ALLOWABLE ENTERED IN DOCKET NO. _____

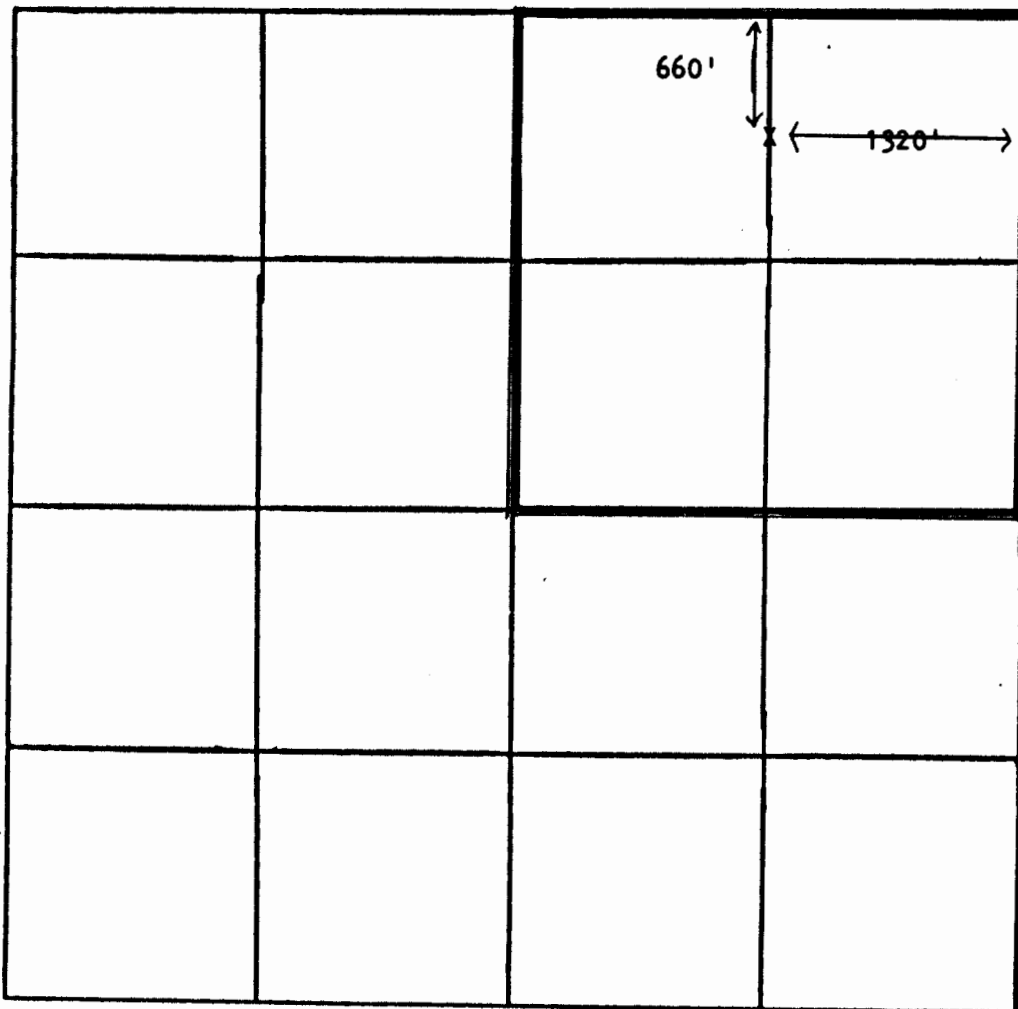
NUMBER OF ACRES

ATTRIBUTABLE TO WELL 160

DESCRIPTION OF ACREAGE:

P L A T

(Show location of Well and outline attributable acreage)



The undersigned hereby certifies that: