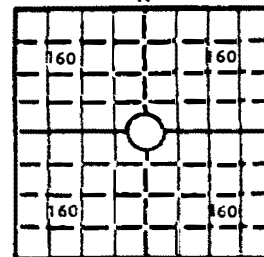


KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA, BRANCHAPI No. 15 — 091 — 20,309
County NumberS. 4 T. 14 R. 23 E.Loc. SE-NW-NW
NW NE NW-KCC RecordCounty Johnson640 Acres
N

Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

Operator

E. F. Thorpe, Jr.

Address

RR #3 Box 44 Olathe Kansas

Well No.

#005

Lease Name

Bare (Bear, per landowner)

Footage Location

2016: Sandra E Vick 005-KCC Record

3761 FEL-KCC Record

5191 FSL feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Glaze Drilling Co.

Geologist

827V.

Spud Date

Date Completed

Total Depth

822 ft.

P.B.T.D.

Directional Deviation

/or Gas Purchaser

Union Gas Co.

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	Socks	Type and percent additives

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks 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	Gas	Water	Gas-oil ratio	
	bbis.	McF	bbis.	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, 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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

(Over)

WELL LOG

 204212
 4-14-23E

DESCRIPTION	TOP	BOTTOM	NAME	DESCRIPTION	TOP	BOTTOM	NAME
Surface	21	21		Red Bed	4	561	
Shale	14	35		Black Slate	4	565	
Lime	8	43		Shale (sandy)	15	580	
Shale	2	45		Lime	1	581	
Lime	1	46		Shale	1	582	
Sandstone	2	48		Lime	1	583	
Lime	55	103		Shale	7	590	
Shale	40	143		Sandstone	25	615	
Lime	3	146		1" in 1"			
Black Slate	2	148		Shale (sandy)	10	625	Very light
Lime	4	152		Lime	3	628	
Shale	15	167		Shale	22	650	
Lime	11	178		Sandstone	20	670	
Shale	4	182		Shale	5	675	
Lime	4	186		Lime	1	676	
Shale	31	217		Black Slate	3	679	
Lime	3	220		Shale	22	701	
Shale	3	223		Sandstone	9	710	
Lime	9	232	Winterset	Black Shale	5	715	
Black Slate	2	234		Sandstone	12	727	Good Gas
Lime	20	254		Shale	5	732	After frak
Shale	2	256		Sandstone	7	739	
Black Slate	2	258		Shale	8	747	
Shale	3	261		Lime	2	749	
Lime	20	281	Bethnay	Shale	6	755	
Shale	2	283		Black Slate	4	759	
Black Slate	2	285		Shale	15	774	
Lime	2	287		Lime	1	775	
Shale	3	290		Shale	9	784	
Lime	8	298	Hertha	Lime	1	785	
Shale	10	308		Shale	5	790	
Sandstone	3	311	(little gas)	Sandstone	6	796	
Shale	43	354		Shale	6	802	
Sandstone	2	356		Shale-Sand	25	829	
Shale	78	434		TOTAL DEPTH	829	FEET	
Sandstone	4	438					
Shale	5	443					
Sandstone	3	446					
Shale	14	460					
Sandstone	6	466					
Shale (sandy)	14	480					
Lime	7	487					
Shale	4	491					
Lime	5	496					
Shale	7	503					
Lime	6	509					
Sandstone	6	515	Peru				
Shale	11	526					
Lime	4	530					
Black Slate	5	535					
Lime	13	548					
Shale	9	557					