

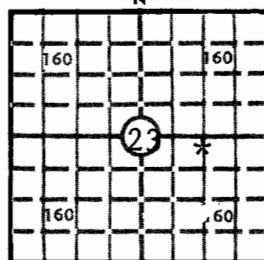
KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — K 093 — 20,136
County Number

S. 23 T. 25 R. 37 W

Loc. 150'S of C of E2

County Kearny

640 Acres
N

Locate well correctly

Elev.: Gr. 3050

DF KB 3057

Operator W. B. Osborn	
Address Box 6767 San Antonio, Texas	
Well No. #1-A	Lease Name Applegate
Footage Location 2500 feet from (X) (S) line 1320 feet from (E) (X) line	
Principal Contractor Service Drilling Company	Geologist Walter M. Ralls
Spud Date 7.2.74	Total Depth 2900'
	P.B.T.D. 2873'
Date Completed 7.7.74	Oil Purchaser Dry Gas Well - None

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#	577.5	Litewate	225	2% CaCl ₂
					Common	150	3% CaCl ₂
Production	7-7/8	5-1/2	14#	2896	Litewate	400	
					Common	200	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2/foot	Welex	2676-98
TUBING RECORD			2/foot		2700-34
			2/foot		2740-50
			2/foot		2762-68
			2/foot		2786-96
Size 1 1/2" Reg 10	Setting depth 2832.44'	Packer set at ----			2804-10

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2,000 gallons 15% HCl Acid	
120,000 gallons Treated water, 100,000# river sand	2676-2810

INITIAL PRODUCTION

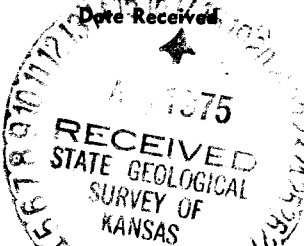
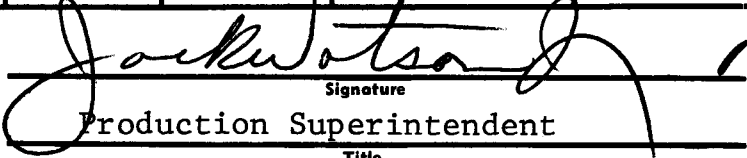
Date of first production 2.25.75	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil None
	Gas 1064 MCF/D MCF
	Water 6.75 (salt water)
	Gas-oil ratio ----- CFPB
Disposition of gas (vented, used on lease or sold) Sold	Producing interval (s) 2676-2810

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		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1-A	Lease Name Applegate	Gas
S <u>23</u> T <u>25</u> R <u>37</u> <u>W</u>		

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
Sand	0	380		
Sand	380	577		
Red Beds	577	1,150		
Sand	1,150	1,310		
Sand, gypsum, shale	1,310	1,636		
Sand, anhydrite, shale	1,636	1,870		
Shale and sand	1,870	2,105		
Lime and shale	2,105	2,620		
Lime and shale	2,620	2,785		
Shale	2,785	2,900		
T.D.	2,900			

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

	 Production Superintendent Title March 20, 1975 Date
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