

State Geological Survey  
WICHITA, BRANCH

KANSAS DRILLERS LOG

API No. 15 — 009 — 21081  
County Number

S. 12 T. 19 R. 12 W  
Loc. NE NE NW  
County Barton

Operator  
Southern States Oil Company

Address  
P. O. Box 1365 Great Bend, Kansas

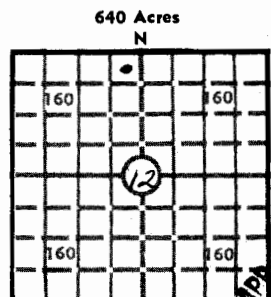
Well No. 16 Lease Name Kultgen

Footage Location  
330 feet from (N) line 330 feet from (E) line

Principal Contractor Duke Drilling Co. Geologist J.C. Musgrove

Spud Date 10-5-76 Total Depth 3460 P.B.T.D. 3432

Date Completed 10-14-76 Oil Purchaser Kaw Pipe Line for Phillips Petroleum Co.



Locate well correctly  
Elev.: Gr. 1821  
DF KB 1826

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 $\frac{1}{4}$	8-5/8	28#	259	Common	150	2% Gel 3% C.C.
Production	7-7/8	5 $\frac{1}{2}$ "	14#	3458	Common	175	8% Salt 3/4 of 1% CFR 2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jet Perf	3397- 3402
TUBING RECORD			4	Jet Perf	3407- 3412
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 Gal. 28% Regular	See Perf Record

INITIAL PRODUCTION

Date of first production 11-11-76	Producing method (flowing, pumping, gas lift, etc.) Pumping				
RATE OF PRODUCTION PER 24 HOURS	Oil 45 bbls.	Gas 0 MCF	Water 0 bbls.	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s) See Perf Record		

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

Southern States Oil Co.

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Oil Well

Well No.

15

Lease Name

Kultgen

S12 T19 R12 W

Barton County, Kansas

WELL LOG

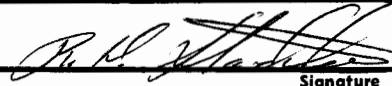
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Surface Soil, Clay	0	79		
Sand & Shale	79	548		
Shale & Red Bed	548	634	A Cased Hole Log	
Anhydrite	634	656	(Gamma Ray Neutron)	
Shale	656	1376	Run by L-K Wire Line Co.	
Lime & Shale	1376	2968	From 2600-3432	
Shale	2968	2972	10-16-76	
Lime & Shale	2972	2990		
Lime	2990	3003		
Shale	3003	3082		
Lime & Shale	3082	3399		
Dolomite	3399	3460		
TOTAL DEPTH 3460 (Rotary)				

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

Date Received

  
 Signature R.D. Standlee  
 General Superintendent  
 Title  
 1-27-77  
 Date

295701