

KANSAS DRILLERS LOG

21-34-33W

API No. 15 — 175 — 20268
County Number

S. 21 T. 34S R. 33 W SW/4
Loc. 1980' ESL, 1345' FWL of

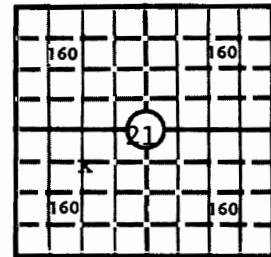
Operator
Cities Service Oil Company

County Seward

Address
3545 N. W. 58th Street, Oklahoma City, Okla. 73112

640 Acres
N R33W

Well No. 3 Lease Name
Bruns "A"



Footage Location
1980 feet from XBC (S) line 1345 feet from XEX (W) line of SW/4

Locate well correctly
Elev.: Gr. 2839'

Principal Contractor
Lohmann Johnson Geologist

Spud Date 4-25-76 Total Depth 6500' P.B.T.D.

Date Completed 5-11-76 Oil Purchaser

DF 2847' KB 2848'

CASING RECORD

State Geological Survey
WICHITA BRANCH

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#	1569'	Class H	900	Cemented w/700 sx
							Howco Lite w/2% CaCl followed by 200 sx Class H w/3% CaCl. Cement circulated to surface.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
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Size	Setting depth	Packer set at
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ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
N/A	N/A

INITIAL PRODUCTION

Date of first production DRY HOLE - No Test Conducted.	Producing method (flowing, pumping, gas lift, etc.) -----
RATE OF PRODUCTION PER 24 HOURS	Oil ----- bbls. Gas ----- MCF Water ----- bbls. Gas-oil ratio ----- 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, 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 Cities Service Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Dry Hole
Well No. 3	Lease Name Bruns "A"	
S 2 T34S R 33 W		

WELL LOG

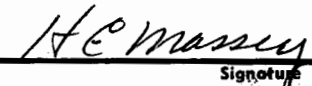
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sand & Clay	0	500	Ran Dresser Atlas Dual Induction Focused Log, Comp. Formation Density w/Neutron, GR & Caliper from 1569' Loggers TD to 6496'.	
Glorietta Sand	500	1210		
Red Bed & Shale	1210	1553		
Anhydrite	1553	1576		
Shale	1576	3620		
Lime	3620	3678		
Shale	3678	4115		
Shale & Lime	4115	4845		
Lime	4845	6260		
Lime & Shale	6260	6359		
Lime	6359	6500		
T.D.		6500		

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




 H. E. Massey
 Signature
 Operations Manager
 Title
 May 18, 1976
 Date